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OM nucleic - nucleic search, using sw model

Run on: December 18, 2003, 22:25:46 ; Search time 66 Seconds (without alignment(s))

Title: US-09-898-554-13

Perfect score: 744

Sequence: 1 atgactttgtatcagaatgat.....caaatcattgtcaaaattag 744

Scoring table: IDENTITY NUC Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries:

Database : Issued\_Patents\_NA:\*

1: /cgns\_6/picodata/1/inia/5A\_COMB\_seq:  
2: /cgns\_6/picodata/1/inia/5B\_COMB\_seq:  
3: /cgns\_6/picodata/1/inia/6A\_COMB\_seq:  
4: /cgns\_6/picodata/1/inia/6B\_COMB\_seq:  
5: /cgns\_6/picodata/1/inia/PCTUS\_COMBO.seq:  
6: /cgns\_6/picodata/1/inia/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	298.2	40.1	1318	2	US-09-898-554-5
2	298.2	40.1	1318	3	US-09-35-302-5
3	38.6	1897	2	US-08-189-49A-1	
4	287.2	38.6	1897	3	US-09-52-302-1
5	287.2	38.6	1906	2	US-08-89-494A-3
6	72.4	38.6	1906	3	US-09-302-3
7	72.4	9.7	990	2	US-08-68-342-2
8	72.4	9.7	990	2	US-09-113-788-2
9	72.4	9.7	990	4	US-09-016-434-804
10	61.2	8.2	528	3	US-08-772-440-7
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14	45.2	6.1	5661	4	US-08-93-105-2
15	41.8	5.6	340	5	PCT-US52-06412-104
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c 17	40	5.4	16442	3	US-08-781-208
c 18	40	5.4	16442	4	US-09-18-166-208
19	40	5.4	1644976	4	US-08-916-421B-1
20	39.2	5.3	1212	3	US-09-591-435-11
21	38.6	5.2	289	3	US-09-007-005-17
22	38.6	5.2	289	3	US-09-244-756-17
23	38.4	5.2	926	2	US-08-919-145-1
24	38.4	5.2	926	3	US-09-14-889-1
25	38	5.1	3489	2	US-08-728-223A-1
26	38	5.1	3489	4	US-09-298-568-1
27	38	5.1	3489	4	US-09-410-399-1

## ALIGNMENTS

RESULT 1  
US-09-494A-5  
; Sequence 5, Application US/08809494A  
; Patent No. 5962260

; GENERAL INFORMATION:  
; APPLICANT: Sawamura, Tatsuya  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.3.0

; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/809 494A  
; FILING DATE: 24-MAR-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 6-321705  
; FILING DATE: 30-NOV-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 7-214206  
; FILING DATE: 31-JUL-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Julie E  
; REGISTRATION NUMBER: 24408  
; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212 986-1090  
; TELEFAX: 212 818-9479  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1318 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Homo Sapiens

TISSUE TYPE: Lung, placenta  
 IMMEDIATE SOURCE:  
 LIBRARY: Human lung cDNA  
 CLONE: lambdaloX-1  
 FEATURE:  
     NAME/KEY: 5'UTR  
     LOCATION: 66..125  
 FEATURE:  
     NAME/KEY: 3'UTR  
     LOCATION: 949..1309  
 FEATURE:  
     NAME/KEY: CDS  
     LOCATION: 127..948  
 US-08-809-494A-5

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	Best Local Similarity	72.6%	Pred.	No. 2.1e-82;		1318;
	Matches 400;	Conservative	0;	Mismatches	148;	Indels 3;
						Gaps 1;
Qy	183 AGCCCTGCAGAGAGTCGAAACTCTTCAAGGGAGTCGCCAGAGAAACTCAAGGGAAAGAT	242				
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Qy	420 AAAAACCGGCGACCTGCCAACTTGTGCTGGCGATTTGGTGGCGATTTGGCGAA	479				
Db	624 AAAGAGGCCAAGAGAAAGTGTGCTTGTGATGCCAAAGTGTGCTGAAATTAAATGCAAGC	683				
Qy	480 TGATCTGACATTCACTTCAAGGAAATTCCCATACACCTCCCCATTCGGATTGGATT	539				
Db	684 TGATCTGAGTTCACTCAGDAGGATTTCTCATTTCCATTTGATGGGCT	743				
Qy	540 GCATCGGAAGAGCTGGCAACCATGGCTATGGAGAATGGAACTCCCTTGATTTCA	599				
Db	744 GTCTCGGAGAACCCAGTACCCATGGCTCTGGAGACGGTTCTCCATTTGATGCCCA	803				
Qy	600 ATTCCTTAAGACCGGGCTTCTTACAGCATTTATGCAACTGCAACTGCAACTCT	659				
Db	804 CTTATTAGTCCCGAGGCCCTGTCTCCAGACATACCCCTTCAGTACCTGTCATAT	863				
Qy	660 TCAAAGGGAGCTGTTCTGCTGAAACATGCACTTCATAATGCAATGTCAAA	719				
Db	864 ACAACGGAGCTGTCTTATGCGAAAGACTGCACTTATGCTCTCAATATGCAAA	923				
Qy	720 GAAGGAAATC	730				
Db	924 GAAGGAAACC	934				

RESULT 2  
 US-09-352-302-5  
 Sequence 5, Application US/09352302  
 ;  
 ; Patent No. 6197937  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Seward, Tatsuya  
 ; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 ; TITLE OF INVENTION: Receptor  
 ; NUMBER OF SEQUENCES: 8  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSE: McAlilly Fisher Nissen Goldberg & Kiel  
 ; STREET: 261 Madison Avenue  
 ; CITY: New York, NY 10016  
 ; STATE: NY  
 ; ZIP: 10016  
 ; COUNTRY: USA

RESULT 3  
US-09-898-554-13.rn1  
Sequence 1, Application US/08809494A  
; Patent No. 5982260  
; GENERAL INFORMATION:  
; APPLICANT: Sawamura, Tatsuya  
; APPLICANT: Maskai, Tomoo  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; TITLE OF INVENTION: Receptor  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2191  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; APPLICATION NUMBER: US/08/809,494A  
; FILING DATE: 24-Nov-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; NAME: Goldberg, Jules E  
; FILING DATE: 09-Nov-1994  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: JP 7-214206  
; FILING DATE: 31-JUL-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REGISTRATION NUMBER: 24408  
; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212 986-4090  
; TELEFAX: 212 818-9479  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1897 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:

; ORGANISM: Bos taurus  
; TISSUE TYPE: Vascular endothelial cells  
; IMMEDIATE SOURCE:  
; LIBRARY: Bovine aortic endothelial cell cDNA  
; CLONE: pBLoX-1  
; FEATURE:  
; NAME/KEY: polyA\_site  
; LOCATION: 1880..1897  
; FEATURE:  
; NAME/KEY: misc\_RNA  
; LOCATION: 1859..1864  
; OTHER INFORMATION: /function= "PolyA Signal"  
; FEATURE:  
; NAME/KEY: 5'UTR  
; LOCATION: 1..34  
; FEATURE:  
; NAME/KEY: 3'UTR  
; LOCATION: 848..1897  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 35..847  
; US-09-809-494A-1  
Query Match Score 38.6%; Score 287.2; DB 2; Length 1897;  
Best Local Similarity 71.0%; Pred. No. 6.4e-79;  
Matches 395; Conservative 0; Mismatches 158; Indels 3; Gaps 1;  
Qy 183 AGCCCTGCAGAGCTGCAAACTTTCAGGGACTCCAGAGAAACTCAGGGAAAGAT 242  
Db 280 AGCCAGCGCGATAGAAAATGCCAGGAGTCAGAAAGAACATAGAAATGAT 339  
Qy 243 AGACACCCCTCACCTTGAAAGCTGAACGAGAAATCCAAAGCAGGAGCTTCACAGAA 302  
Db 340 AGAACCCCTGCCCCAACAGTTGAGAAACTATGGAAACTTCAACGCCA 399  
Qy 303 GAATCAGAACCTCCAGAGGCCCTGCAAGAGCTGCAAACTTTAGGTCCTTGTCACAA 362  
Db 400 GAA CCTGAACTCCAGAAGTTCTGAAAGAGGGCAAACTATTAGGTCCTGCCCCA 459  
Qy 363 AGACCTGGCTTGCGATAAAGAAACCTGTACC--TCCTCCATGGCCCTTGGCTGGAA 419  
Db 460 AGACTGGCTCTGGATGAGAAACCTGTACCTTACCAATTTCCTGGCTCTTTTAATTGGAA 519  
Qy 420 AAAAACCCGGCAGACCTGCCAAATTTGGCTGGCAAACTTTCAGGTCCTTGTCACAA 479  
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Qy 600 ATTCCTTAAGACCAAGGGCGTTCTTACAGCTATATCATCAACAACTGTGCATACT 659  
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Db 760 TCAAAAGGGAAACTGTTTGGCTGAAAACCTGCAATTAACTGCATPATATGCAAAA 819  
Qy 720 GAAGACAAYATCATGG 735  
Db 820 GAAGGGGAATCTATGG 835

RESULT 4  
US-09-352-302-1  
; Sequence 1, Application US/09352302  
; Patent No. 619737  
; GENERAL INFORMATION:

APPLICANT: Sawamura, Tatsuya  
 APPLICANT: Masaki, Tomoo  
 TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue  
 CITY: New York  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/352,302  
 FILING DATE: 12-JUL-1999  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Jules E.  
 REGISTRATION NUMBER: 241408  
 REFERENCE/DOCKET NUMBER: JG-YY-4363 PCT/D  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4990  
 TELEFAX: 212 818-9479  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1897 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Bos taurus  
 TISSUE TYPE: Vascular endothelial cells  
 IMMEDIATE SOURCE:  
 LIBRARY: Bovine aortic endothelial cell cDNA  
 CLONE: pBLOX-1  
 FEATURE:  
 NAME/KEY: polyA site  
 LOCATION: 1880..1897  
 FEATURE:  
 NAME/KEY: misc\_rna  
 LOCATION: 1859..1864  
 OTHER INFORMATION: /function= "PolyA Signal"  
 FEATURE:  
 NAME/KEY: 5'UTR  
 LOCATION: 1..34  
 FEATURE:  
 NAME/KEY: 3'UTR  
 LOCATION: 848..1897  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 35..847

Query Match 38.6%; Score 287.2; DB 3; Length 1897;  
 Best Local Similarity 71.0%; Pred. No. 6..48..79;  
 Matches 395; Conservative 0; Mismatches 158; Indels 3; Gaps 1;  
 US-09-352-302-1

QY 183 AGCCCTGAGAGAGTGGCAAACCTTCAGGAGACTCCAGAGAAACTCAAGGGAAAGAT 242

Db 280 AGCCAGCGGGATCAGAAAATCTGCCAGGAGTACAGAGGAACCTAAAGAAATGAT 339  
 QY 243 AGACACCTCACCTTAAGTGAAAGAATCCAGAGAACTCCAGGGAGTTCTACAGAA 302  
 Db 340 AGAAACCCCTTGCCCAAGCTGGATGAGAAATCCAGAAACTAACCTAACCGCCA 399  
 QY 303 GAATCAGAACCTCCAGAAAGCCCTGAAAGGCTGAAACATTTCAGGTCTTGTGTCACA 362  
 Db 400 GDACTGSAATTCAGAGTCTGAAAGGGAGGAAACTATTAGGTCTTGTGCCCA 459  
 QY 363 AGACTGGCTCTGGCATAAAGAAATACTGTTACCCCTGGCTGGAA 419  
 Db 460 AGACTGCTCTGGCATAGAGAAATACTGTTACCAATTTCCTGCTTAAATGGGA 519  
 QY 420 AAAAACCGGAGAACCTGCCATCTTGGCTGGCAAGTACTACAAATTATGGTCAGA 479  
 Db 520 AAAAACCGGAGAACCTGCCATCTTGGCTGGCAAGTACTACAAATTATGGTCAGA 579  
 QY 480 TGATCTGACATTCATTTAACAGCATTTCCATACCCTCCCATTGGATGGATT 539  
 Db 580 TGACCTGSGATTCATCCAGCATTTCCATACCCTCCCATTGGATGGATT 639  
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 Db 760 TCAAGACGGAGGTGTTGCTGAACACTGGATTCATGGATATGTGAGAA 819  
 RESULT 5  
 US-08-109-494A-3  
 Sequence 3, Application US/08809494A  
 Patent No. 5962260  
 GENERAL INFORMATION:  
 APPLICANT: Sawamura, Tatuya  
 ADDRESS: McAulay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue  
 CITY: New York  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/809,494A  
 FILING DATE: 24-MAR-1997  
 CLASSIFICATION: 435  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIORITY APPLICATION NUMBER: JP 6-321705  
 APPLICATION NUMBER: US/08/809,494A  
 FILING DATE: 31-JUL-1995  
 PRIORITY APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 PRIORITY APPLICATION NUMBER: JP 7-214206  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Jules E.  
 REGISTRATION NUMBER: 241408  
 REFERENCE/DOCKET NUMBER: JG-YY-4363 PCT/D  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4990  
 TELEFAX: 212 818-9479  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1897 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Bos taurus  
 TISSUE TYPE: Vascular endothelial cells  
 IMMEDIATE SOURCE:  
 LIBRARY: Bovine aortic endothelial cell cDNA  
 CLONE: pBLOX-1  
 FEATURE:  
 NAME/KEY: polyA site  
 LOCATION: 1880..1897  
 FEATURE:  
 NAME/KEY: misc\_rna  
 LOCATION: 1859..1864  
 OTHER INFORMATION: /function= "PolyA Signal"  
 FEATURE:  
 NAME/KEY: 5'UTR  
 LOCATION: 1..34  
 FEATURE:  
 NAME/KEY: 3'UTR  
 LOCATION: 848..1897  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 35..847

REGISTRATION NUMBER: 24408  
 REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4090  
 TELEFAX: 212 818-9479  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1905 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HOMOLOGUE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Bos taurus  
 TISSUE TYPE: Vascular endothelial cells  
 IMMEDIATE SOURCE:  
 LIBRARY: Bovine aortic endothelial cells cDNA  
 CLONE: pBLoX-1  
 FEATURE:  
 NAME/KEY: polyA site  
 LOCATION: 1889..1906  
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 NAME/KEY: misc RNA  
 LOCATION: 1864..1873  
 OTHER INFORMATION: /function= "PolyA Signal"  
 FEATURE:  
 NAME/KEY: 5' UTR  
 LOCATION: 1..34  
 FEATURE:  
 NAME/KEY: 3' UTR  
 LOCATION: 857..1906  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 35..856  
 US-08-809-494A-3

Query Match 38.6%; Score 287.2; DB 2; Length 1906;  
 Best Local Similarity 71.0%; Pred. No. 6.4e-9;  
 Matches 395; Conservative 0; Mismatches 158; Indels 3; Gaps 1;

Qy	183 AGCCACCTCACCTTGAGAGTCAAACTCTTCAGAGGAGTCCAGAGAACACTCAAGGGAAAGAT	242
Db	289 AGCCACGCCATCAAAAATCTGGCAGAGTCATGAGAACACTTAATGAACTTCACGCCA	348
Qy	243 AGACACCTCACCTTGAGAGTCAAAGGAGGAGCTGAAACTTTCAGTCTTGTCACAA	302
Db	349 AGAAACCCCTGCCACAGTCGATGAGAACACTTAATGAACTTCACGCCA	408
Qy	303 GATTCGAACCTCCAGAGGCCTGAAAGAGCTGAAACTTTCAGTCTTGTCACAA	362
Db	409 GAACCTGAATCTCCAGAAGTCTGAAAGGGCAGAAACTTTAGTCTTGTCACCA	468
Qy	363 AGACTGCCTCTGCATAGAAACTCTTACCAATTCTCGTCCTTGTCACCA	419
Db	469 AGACTGCCTCTGCATAGAAACTCTTACCAATTCTCGTCCTTGTCACCA	528
Qy	420 AAAAACCGGCGACACTGCCATCTTGGTGGCCAGTTACTACAAATTATGGTGCAGA	479
Db	529 AAAAGCAGGAACTGCTGCAACCTGCTGCTGATGCCACTTGTGAAGATAATAGACAGA	588
Qy	480 TGATCTGACATCATCTACAGCACTTCCATACACCTCCCATCTGGATGGATT	539
Db	589 TGAACCTGAAATTCATCCAGAAATGATGTTCCAGTTCCCTCTGGATGGATT	648
Qy	540 GCATCGGAGAAGGCCCTGCCAACCTGCTGAACTCTTCGAATTTCA	599
Db	649 GTCAATGAGGAACCCATTACTCGTGGCTTGGAGATGTACTCTTGACGCCCA	708
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Db	709 CTGTTAGAACTCGGAGCTTCCGTATGTTCCGATCTAGGAACTGTGCAATAT	768

RESULT 6  
 US-09-352-302-3  
 Sequence 3, Application US/09352302  
 Patent No. 6197337  
 GENERAL INFORMATION:  
 APPLICANT: Sawamura, Tatsuya  
 ADDRESS: Masaki, Tokyo  
 TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 TITLE OF INVENTION: Receptor  
 NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue  
 CITY: New York  
 STATE: NY  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/3522.302  
 FILING DATE: 12-JUL-1999  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Jules E.  
 REGISTRATION NUMBER: 24408  
 REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4090  
 TELEFAX: 212 818-9479  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1906 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Bos taurus  
 TISSUE TYPE: vascular endothelial cells  
 IMMEDIATE SOURCE:  
 LIBRARY: Bovine aortic endothelial cells CDNA  
 CLONE: pBLoX-1  
 FEATURE:  
 NAME/KEY: Polya\_Site  
 LOCATION: 1889..1906  
 FEATURE:  
 NAME/KEY: misc\_RNA  
 LOCATION: 1864..1873  
 OTHER INFORMATION: /function= "PolyA Signal"  
 FEATURE:  
 NAME/KEY: 5'UTR



CITY: Palo Alto  
 COUNTRY: US  
 ZIP: 94304  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ Version 1.5  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/113,788  
 FILING DATE:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/688,342  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PF-00955-1 CIP  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-855-0555  
 TELEX/FAX: 415-845-4166  
 FILING DATE:  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 990 base Pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 IMMEDIATE SOURCE:  
 LIBRARY: MMURID01  
 CLONE: 515847  
 US-09-113-788-2

Query Match 9.7%; Score 72.4; DB 2; Length 990;  
 Best Local Similarity 52.8%; Pred. No. 1.4e-12;  
 Matches 204; Conservative 0; Mismatches 176; Indels 6; Gaps 2;

Qy 344 TTTCAGGTCCCTGTCACAAAGACTGGCTCTGGCATAAAGAAAAACTGTACCTCTTCATG 403  
 Db 283 TTTCAGGTAAATTCTGGATGTTAATGGATTATATGAGAAGCTGCTTACATTAGCA 342

Qy 404 GGCCCTT--TGGTGGAAAAAAACCGCACACTGGTGGCCACTAC 460  
 Db 343 TTTCAGGTAAATTCTGGATGTTAATGGATTATATGAGAAGCTGCTTACATTAGCA 402

Qy 461 TACAAATTAAATGGCAGATGATCTGCATTCATCT--ACAAGGAATTCCCATACCA 517  
 Db 403 TAAGATAAGACGTCAAATGATTGGGATTATAGAAAACAAAGTGTCTCCAAACCTG 462

Qy 518 CCTCCCCATTCTGGATTGGATGTCATGGAGCTGGCAACCATGGCTATGGAGA 577  
 Db 463 ATAATTCATTGGATGGCTGGCCTTTCGGGCCAGTGAGTGGTCTGGAGGG 522

Qy 578 ATGGAACCTCCATTGAAATTGCAATTCTTAAGACCAAGGGGGTTTCTTAAGCTATT 637  
 Db 523 ATGGATCAAACATCTCTCTCAACTTTCGATGAGAACACAGTACCCAGAAACC 582

Qy 638 CATCAAGCAACTGTGCAATTACCTTCAAGACGGAGCTGTTGCTGAAACACTGCATTAA 697  
 Db 583 CATCTCCAAATGGATTGCACTGTGCAATTGACCAACTGTGTAATGTGTC 642

Qy 698 TTGCAATTGAGATATGCAAGAGAAG 723  
 Db 643 CCTCATATAGTATTGTGAGAAGAAG 668

RESULT 9  
 US-09-016-434-804  
 ; Sequence 804, Application US/09016434  
 ; Patient No. 6500938  
 ; GENERAL INFORMATION  
 ; APPLICANT: Janice Au-Young

APPLICANT: Jeffrey J. Seilhamer  
 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING PATHWAY GENE EXPRESSION  
 NUMBER OF SEQUENCES: 1490  
 CORRESPONDENCE ADDRESS:  
 ADDRESSE: INCYTB PHARMACEUTICALS, INC.  
 STREET: 3174 PORTER DRIVE  
 CITY: PALO ALTO  
 STATE: CALIFORNIA  
 COUNTRY: USA  
 ZIP: 94304  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/016,434  
 FILING DATE: HEREWITH  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Zeller, Karen J.  
 REGISTRATION NUMBER: 37,071  
 REFERENCE/DOCKET NUMBER: PA-0002 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (650) 855-0555  
 TELEFAX: (650) 845-1666  
 INFORMATION FOR SEQ ID NO: 804:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 990 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: MMURID01  
 CLONE: 515847  
 US-09-016-434-804

Query Match 9.7%; Score 72.4; DB 4; Length 990;  
 Best Local Similarity 52.8%; Pred. No. 1.4e-12;  
 Matches 204; Conservative 0; Mismatches 176; Indels 6; Gaps 2;

Qy 344 TTTCAGGTCCCTGTCACAAAGACTGGCTCTGGCATAAAGAAAAACTGTACCTCTTCATG 403  
 Db 283 TTTCAGGTCCCTGTCCTCTCCATTGGATTATATGAGAAGCTGTTATCTATCAGCA 342

Qy 404 GGCCCTT--TGGTGGAAAAAAACCGCACACTGGTGGCCACTAC 460  
 Db 343 TTTCAGGTAAATTCTGGATGTTAATGGATTATATGAGAAGCTGCTTACATTAGCA 402

Qy 461 TACAAATTAAATGGCAGATGATCTGCATTCATCT--ACAAGGAATTCCCATACCA 517  
 Db 403 TAAGATAAGACGTCAAATGATTGGGATTATAGAAAACAAAGTGTCTCCAAACCTG 462

Qy 518 CCTCCCCATTCTGGATTGGATGTCATGGAGCTGGCAACCATGGCTATGGAGA 577  
 Db 463 ATAATTCATTGGATGGCTGGCCTTTCGGGCCAGTGAGTGGTCTGGAGGG 522

Qy 578 ATGGAACCTCCATTGAAATTGCAATTCTTAAGACCAAGGGGGTTTCTTAAGCTATT 637  
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Qy 638 CATCAAGCAACTGTGCAATTACCTTCAAGACGGAGCTGTTGCTGAAACACTGCATTAA 697  
 Db 583 CATCTCCAAATGGATTGCACTGTGCAATTGACCAACTGTGTAATGTGTC 642

Qy 698 TTGCAATTGAGATATGCAAGAGAAG 723  
 Db 643 CCTCATATAGTATTGTGAGAAGAAG 668

RESULT 9  
 US-09-016-434-804  
 ; Sequence 804, Application US/09016434  
 ; Patient No. 6500938  
 ; GENERAL INFORMATION  
 ; APPLICANT: Janice Au-Young

APPLICANT: Jeffrey J. Seilhamer  
 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING PATHWAY GENE EXPRESSION  
 NUMBER OF SEQUENCES: 1490  
 CORRESPONDENCE ADDRESS:  
 ADDRESSE: INCYTB PHARMACEUTICALS, INC.  
 STREET: 3174 PORTER DRIVE  
 CITY: PALO ALTO  
 STATE: CALIFORNIA  
 COUNTRY: USA  
 ZIP: 94304  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/016,434  
 FILING DATE: HEREWITH  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Zeller, Karen J.  
 REGISTRATION NUMBER: 37,071  
 REFERENCE/DOCKET NUMBER: PA-0002 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (650) 855-0555  
 TELEFAX: (650) 845-1666  
 INFORMATION FOR SEQ ID NO: 804:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 990 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: MMURID01  
 CLONE: 515847  
 US-09-016-434-804

Query Match 9.7%; Score 72.4; DB 4; Length 990;  
 Best Local Similarity 52.8%; Pred. No. 1.4e-12;  
 Matches 204; Conservative 0; Mismatches 176; Indels 6; Gaps 2;

Qy 344 TTTCAGGTCCCTGTCACAAAGACTGGCTCTGGCATAAAGAAAAACTGTACCTCTTCATG 403  
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Qy 404 GGCCCTT--TGGTGGAAAAAAACCGCACACTGGTGGCCACTAC 460  
 Db 343 TTTCAGGTAAATTCTGGATGTTAATGGATTATATGAGAAGCTGCTTACATTAGCA 402

Qy 461 TACAAATTAAATGGCAGATGATCTGCATTCATCT--ACAAGGAATTCCCATACCA 517  
 Db 403 TAAGATAAGACGTCAAATGATTGGGATTATAGAAAACAAAGTGTCTCCAAACCTG 462

Qy 518 CCTCCCCATTCTGGATTGGATGTCATGGAGCTGGCAACCATGGCTATGGAGA 577  
 Db 463 ATAATTCATTGGATGGCTGGCCTTTCGGGCCAGTGAGTGGTCTGGAGGG 522

Qy 578 ATGGAACCTCCATTGAAATTGCAATTCTTAAGACCAAGGGGGTTTCTTAAGCTATT 637  
 Db 523 ATGGATCAAACATCTCTCAACTTTCGATGAGAACACAGTACCCAGAAACC 582

Qy 638 CATCAAGCAACTGTGCAATTACCTTCAAGACGGAGCTGTTGCTGAAACACTGCATTAA 697  
 Db 583 CATCTCCAAATGGATTGCACTGTGCAATTGACCAACTGTGTAATGTGTC 642

Qy 698 TTGCAATTGAGATATGCAAGAGAAG 723  
 Db 643 CCTCATATAGTATTGTGAGAAGAAG 668

RESULT 9  
 US-09-016-434-804  
 ; Sequence 804, Application US/09016434  
 ; Patient No. 6500938  
 ; GENERAL INFORMATION  
 ; APPLICANT: Janice Au-Young

RESULT 10  
US-08-772-440-7  
; Sequence '7, Application US/08772440  
; GENERAL INFORMATION:  
; APPLICANT: Ariizumi, Kiyoshi  
; ADDRESS: Takashima, Akira  
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE  
; LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES  
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas  
; COUNTRY: USA  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC DOS/MS-DOS  
; SOFTWARE: Patent Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/772 440  
; FILING DATE: CONCURRENTLY HERewith  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Parker, David L.  
; REFERENCE/DOCKET NUMBER: 32,165  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 512/418-3000  
; TELEFAX: 512/474-7577  
; INFORMATION FOR SEQ ID NO: 7:  
; LENGTH: 528 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-772-440-7

Query Match 8.2% Score 61.2; DB 3; Length 528;  
Best Local Similarity 48.2%; Pred. No. 2.9e-09;  
Matches 236; Conservative 0; Mismatches 248; Gaps 2;

Db 395 TCCCAACTCGTTTCAAGTCGAAATAACAGTCCCCAGGAAGCTTAATGCATTGCAACTTG 454  
Qy 653 CATACCTTCAGACGGAGCTGTGGCTGAAATCTGATCTAAATTGCAATTCTGATCTG 712  
Db 455 TATGGATTCTGAGTCATGGCTCAACATGGTCTACCGTATTAGCATCTGG 514  
Qy 713 GTGAGAGAA 722  
Db 515 GTGAGAGGA 524

RESULT 11  
US-08-772-440-1  
; Sequence 1, Application US/08772440  
; Patent No. 6046158  
; GENERAL INFORMATION:  
; APPLICANT: Ariizumi, Kiyoshi  
; ADDRESS: Takashima, Akira  
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE  
; LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES  
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas  
; COUNTRY: USA  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/772 440  
; FILING DATE: CONCURRENTLY HERWITH  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Parker, David L.  
; REGISTRATION NUMBER: 32,165  
; REFERENCE/DOCKET NUMBER: UTXD:493  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 512/418-3000  
; TELEFAX: 512/474-7577  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2298 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; NAME/KEY: modified\_base  
; LOCATION: 1966  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2298 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; OTHER INFORMATION:  
; /note= "Y = C or T"  
US-08-772-440-1

Query Match 8.2% Score 61.2; DB 3; Length 2298;  
Best Local Similarity 48.2%; Pred. No. 6.2e-09;  
Matches 236; Conservative 0; Mismatches 248; Gaps 2;

Db 239 AGATGACACCTCACCTGAAAGCTGAAACGAGGAGGCTTCAC 298  
Qy 299 AGAAGATCAGAACCTCAAGAACATCCATCAAAGCAGGCCACAGGCCAACAAAGAACCA 358  
Db 95 ATGAGAGGTGGCTCCCTCCAAGGCATCCCAGGTTTCTCAGTCCTGCC 154  
Qy 359 CACAGACCTGGCTCTGCATAAAGAAAATCTGTTACCTT--CCATGGCCCTTGGCT 415  
Db 155 TTCTTAATGGATCATGGAAAGCTGTTACCTAATTAGCTCAGGAATTCT 214  
Qy 416 GGGAAAAAAACCGGGAGACCTGGCCATCTGGGGAGTTACTACAAATTAAATGGTG 475  
Db 215 GGATGGAACTGAAGACAATGCTCCAGCTAGGGCTCATCTAGGATAGAAC 274  
Qy 476 CAGATGATCTGACATTCTTA--CAAGCAATTCCATACACCTCCATTCTGGA 532  
Db 275 CAAGAATGATCTGAGTCATGGCTCAACATGGTCTACCGTATTAGCATCTGG 334  
Qy 533 TTGGATTGATCGAAAAGCCTGGCCAACATGGCTATGGAGATGAACTCTTGA 592  
Db 335 TAGGCTTCCGCATACAGTGAAGGGCATGGTCTGGAGATGATCGATCT 394  
Qy 593 ATTTCATTCCTTAAGGACGGGGCTTCCTTACAGCTATTCATCAAGCAACTGTG 652

Query Match 8.2% Score 61.2; DB 3; Length 298;  
Best Local Similarity 48.2%; Pred. No. 6.2e-09;  
Matches 236; Conservative 0; Mismatches 248; Gaps 2;

Db 239 AGATGACACCTCACCTGAAAGCTGAAACGAGGAGGCTTCAC 298  
Qy 327 AGAAGACACTCTCATCAAAATAAGGAAACCAAGGCAATCATCTTAG 386  
Qy 299 AGRAAATCAGAACCTCAAGAGCCTGGCAAGAGCTGCAAACTTTTCAGGTCTCTGTC 358  
Db 387 ATGAGAGGTGGCTCCCTCCAAGGCTTCAGTCAGTCAGTC 446  
Qy 359 CACAGACTGGCTCTGGCATAAAGAAAATCTGTTACCTTGGCT 415



RESULT 14  
US-08-938-105-2  
; Sequence 105, Application US/08938105  
; Patent No. 6353151  
; GENERAL INFORMATION:  
; APPLICANT: Leinwand, Leslie A.  
; Vinkstrom, Karen I.  
; TITLE OF INVENTION: TRANSGENIC MODEL FOR HEART FAILURE  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sheridan Ross P.C.  
; STREET: 1700 Lincoln St., Suite 3500  
; CITY: Denver  
; STATE: CO  
; COUNTRY: U.S.A.  
; ZIP: 80203  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC Compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentLin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/938,105  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Crook, Wannell M.  
; REGISTRATION NUMBER: 31,071  
; REFERENCE/DOCKET NUMBER: 3595-4  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (303) 863-0223  
; TELEFAX: (303) 863-0223  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5661 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 1..5661  
; US-08-938-105-2

Query Match 6.1%; Score 45.2%; DB 4; Length 5661;  
Best Local Similarity 46.1%; Pred. No. 0.00089;  
Matches 152; Conservative 0; Mismatches 178; Indels 0; Gaps 0;

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RESULT 15  
US-08-18-175A-10  
; Sequence 104, Application US/08182175A  
; Patent No. 5558223  
; GENERAL INFORMATION:  
; APPLICANT: Saverio Carl Falco  
; Vinkstrom, Karen I.  
; TITLE OF INVENTION: Synthetic Storage Proteins with Defined Structure Containing  
; NUMBER OF SEQUENCES: 113  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: E.I. du Pont de Nemours and Company  
; STREET: 1007 Market Street  
; CITY: Wilmington  
; STATE: Delaware  
; COUNTRY: USA  
; ZIP: 19888  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy Disk  
; COMPUTER: Macintosh  
; OPERATING SYSTEM: Macintosh System, 6.0  
; SOFTWARE: Microsoft Word, 4.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/182,175A  
; FILING DATE:  
; CLASSIFICATION: 800  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Linda Axamethy Floyd  
; REGISTRATION NUMBER: 33,692  
; REFERENCE/DOCKET NUMBER: BB-1031  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (302) 992-4929  
; TELEFAX: (302) 892-7949  
; TELEX: 835420  
; INFORMATION FOR SEQ ID NO: 104:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 340 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; ORIGINAL SOURCE:  
; STRAIN: E. coli  
; CELL TYPE: DHS alpha

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i IMMEDIATE SOURCE:
i CLONE: segment 534 [seg 534]
i FEATURE:
i NAME/KEY: CDS
i LOCATION: 3..326 /function= "synthetic seed storage protein"
i OTHER INFORMATION: /product= "protein"
i OTHER INFORMATION: /gene= "ssp"
i OTHER INFORMATION: /standard_name= "SSP-534"
i OTHER INFORMATION: US-08-182-175A-104

Query Match      5.6%;  Score 41.8;  DB 1;  Length 340;
Best Local Similarity 47.5%;  Prod. No. 0.0023;
Matches 124;  Conservative 0;  Mismatches 137;  Indels 0;  Gaps 0;

Oy  60 CAAGAACGCTAAAGGGGTCCAGAAAGAACATCAGGAAAGATAGACACCATCACCG 119
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Db   2 CATGGGAGAAAGATGAAAAGTCAGGAGAAATGCTAGATGAAAGGAATGTTG 61
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Oy  120 GAAGCTGGAGGAAATCCAAGAGCAGGAGGAGCTCTGCAGATGATTCAAACCTCCA 179
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Db   62 GAAACTGAAAGGAATGAAAGCTGAAAGATGAGGTCTATGGGGAGAGAT 121
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Oy  180 AGAAGCCCTGGAGAGGTGCAACTCTTCAAGGGAGTCCCAGAGAAACTCAGGAAA 239
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Db   122 GAAAAAGGTGGAAAAAGATGAGGGTATGAGGAAAGATGAAATGGCTTGAGAAA 181
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Oy  240 GATAGAACCCCTACCTGAAAGTGAAGCTGAAAGGAGCTTCATACTACA 299
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db   182 GATGAGAGGTGAAAGAAGATGAGGTATGGAGAAAGATGAAATGCTCGAGA 241
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Oy  300 GAGAAATCAGAACCTCCAAGA 320
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Db   242 AAAGATGAGGCCATGGAGA 262
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Search completed: December 18, 2003, 23:36:02  
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GenCore version 5.1.6  
 Copyright (c) 1993 - 2003 Compugen Ltd.

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 Listing first 45 summaries

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\* Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

result No.	Score	Query Match Length	DB ID	Description
1	744	100.0	744	11 US-09-898-554-13
2	671.4	90.2	1092	11 US-09-898-554-19
3	671.4	90.2	1192	11 US-09-898-554-19
4	668.2	89.8	3763	10 US-09-870-759-141
5	668.2	89.8	3763	13 US-09-751-708A-141
6	615.4	82.7	1092	11 US-09-898-554-11
7	531.8	71.5	606	11 US-09-898-554-15
8	526.8	70.8	3750	10 US-09-917-800A-474
9	526.8	70.8	3750	13 US-10-220-511-14
10	526.4	70.8	721	11 US-09-898-554-28
11	393.8	52.9	468	11 US-09-898-554-17
12	374.8	50.4	773	11 US-09-898-554-11
13	338.2	45.5	621	11 US-09-898-554-25
14	330.2	44.4	712	11 US-09-898-554-27
15	298.2	40.1	2468	13 US-10-220-511-1

Query Match Similarity 90.2%; Score 671.4; DB 11; Length 1092;  
 Best Local Similarity 99.1%; Pred. No. 5.2e-210;  
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QY 181 GAAGCCCTGAGAGGCTGAAACTCTCAGGGACTTCCAAGAAGAACTCAAGGAAAG 240  
 Db 181 GAAGCCCTGAGAGGCTGAAACTCTCAGGGACTTCCAAGAAGAACTCAAGGAAAG 240

QY 241 ATAGACA CCCTCACCTTGAGCTGAACTCAAGAAGGAGGCTTCTAAG 300  
 Db 241 ATAGACA CCCTCACCTTGAGCTGAACTCAAGAAGGAGGCTTCTAAG 300

QY 301 AAGATCAGAACCTCCAGAAGGCTTCCAAGAAGGCTTCCAAGAAGGCTTCCA 360  
 Db 301 AAGATCAGAACCTCCAGAAGGCTTCCAAGAAGGCTTCCAAGAAGGCTTCCA 360

QY 361 CAAGACTGGCTCTGGCATAAAGAAAAACTGTACCTCTTCATGGGCCCTTGGAA 420  
 Db 361 CAAGACTGGCTCTGGCATAAAGAAAAACTGTACCTCTTCATGGGCCCTTGGAA 420

QY 421 AAAACCGGAGACTGCAATCTGGCAGTACTACAATAATTATGGTCATAAT 480  
 Db 421 AAAACCGGAGACTGCAATCTGGCAGTACTACAATAATTATGGTCATAAT 480

QY 481 GATCTGACATTCATCTAACAGAACATTTCATACCCTCCCCATTCTGATTGGATTG 540  
 Db 481 GATCTGACATTCATCTAACAGAACATTTCATACCCTCCCCATTCTGATTGGATTG 540

QY 541 CATCGGAAGAACGCTGGCCAACCATGGCTATGGGAGATGGAACTCCCTTGAATTCAA 600  
 Db 541 CATCGGAAGAACGCTGGCCAACCATGGCTATGGGAGATGGAAACTCCCTTGAATTCAA 600

QY 601 TTCTTTAAGCCAGGGCGTTCTTAACCTTATTCATCAAGAACATTGCTACCTT 660  
 Db 601 TTCTTTAAGCCAGGGCGTTCTTAACCTTATTCATCAAGAACATTGCTACCTT 660

QY 661 CAAGACGGAGCTGTGTTCTGCTGAAACTGATCTAAATTGCAATTGCAATTGCAAG 720  
 Db 661 CAAGACGGAGCTGTGTTCTGCTGAAACTGATCTAAATTGCAATTGCAATTGCAAG 720

QY 721 AAGACAAATCATTGCAAAATTAG 744  
 Db 721 AAGACAAATCATTGCAAAATTAG 744

RESULT 2  
 US-09-898-554-19  
 ; Sequence 19, Application US/09898554  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHS01 ) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 ( ATHS02 )  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898, 554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 19  
 ; LENGTH: 1092  
 ; APPLICANT: TALL, ALAN R.  
 ; APPLICANT: WELCH, CARRIE L.  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R.  
 ; APPLICANT: WELCH, CARRIE L.  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHS01 ) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 ( ATHS02 )  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898, 554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 19  
 ; LENGTH: 1092  
 ; APPLICANT: Murinae gen. sp.  
 ; FEATURE: CDS  
 ; LOCATION: (1)..(1092)  
 ; OTHER INFORMATION:  
 ; NAME/KEY: misc feature  
 ; OTHER INFORMATION: Isoform 1  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE:

Query Match Similarity 99.1%; Score 90.2%; DB 11; Length 1092;  
 Best Local Similarity 99.1%; Pred. No. 5.2e-210;  
 Matches 675; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 64 AACCTTAAGAGGAGTCCAGAGAACTCAAGGAAAGATGACCATCACCCGAAAG 123  
 Db 412 AACCTTCAGAGGAGTCCAGAGAACTCAAGGAAAGATGACCATCACCCGAAAG 471

QY 124 CGGACAGAAATCAGAGGAGGAGCTTCAGATGATAGAACCTCCAGAA 183  
 Db 472 CGGACAGAAATCAGAGGAGTCCAGAGAACTCAAGGAAAGATGACCATCACCCGAAAG 531

QY 184 GCCCTGAGAGGCTGCAAACCTCTAGAGGAGTCCAGAGAACTCAAGGAAAGATA 243  
 Db 532 GCCCTGAGAGGCTGCAAACCTCTAGAGGAGTCCAGAGAACTCAAGGAAAGATA 591

QY 244 GACACCCCTCACCTTGAGCTGAACTGAAAGGAGGAGGCTTCTACAGAAAG 303  
 Db 592 GACACCCCTCACCTTGAGCTGAAAGGAAACTCAAGGAGGAGGCTTCTACAGAAAG 651

QY 304 ATCTAGAACCTCCAGAGGCCCCTGAAAGGCTGAAACTTTCAAGCTTCTGTCACAA 363  
 Db 652 ATCTAGAACCTCCAGAGGCCCCTGAAAGGCTGAAACTTTCAAGCTTCTGTCACAA 711

QY 364 GACTGGCTCTGCATTAAGAAAACGTTACCTCTTCATGGGCCCTTGGTGGAAAAA 423  
 Db 712 GACTGGCTCTGCATTAAGAAAACGTTACCTCTTCATGGGCCCTTGGTGGAAAAA 771

QY 424 AACCGGAGACCTGGCAATCTGGGGGGCAGTACTACAATAATTATGGTCAGATGAT 483  
 Db 772 AACCGGAGACCTGGCAATCTGGGGCGTACTACAATAATTATGGTCAGATGAT 831

QY 484 CTGACATTICATCTAACAGAACATTTCATACCCTCCCCATTCTGGATTGGATGCA 543  
 Db 832 CTGACATTICATCTAACAGAACATTTCATACCCTCCCCATTCTGGATTGGATGCA 891

QY 544 CGGAAGAGGCTGGCCACCATGGPATGGGAAATGGGAACCTCCCTTGAATTTCATTC 603  
 Db 892 CGGAAGAGGCTGGCAACCATGGPATGGGAAATGGGAACCTCCCTTGAATTTCATTC 951

QY 604 TTAAAGACGGGGCGTTCTTAACGCTATAATTCTAACATGCAATTGCAATTGCA 663  
 Db 952 TTAAAGACGGGGCGTTCTTAACGCTATAATTCTAACATGCAATTGCAATTGCA 1011

QY 664 GACGGAGCTGTGTTGCTGAAACTGATCTAAATTGCAATTGCAATTGCAATTGCA 723  
 Db 1012 GACGGAGCTGTGTTGCTGAAACTGATCTAAATTGCAATTGCAATTGCAATTGCA 1071

RESULT 3  
 US-09-898-554-19  
 ; Sequence 19, Application US/09898554  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHS01 ) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 ( ATHS02 )  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898, 554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 19  
 ; LENGTH: 1092  
 ; APPLICANT: Murinae gen. sp.  
 ; FEATURE: CDS  
 ; LOCATION: (1)..(1092)  
 ; OTHER INFORMATION:  
 ; NAME/KEY: misc feature  
 ; OTHER INFORMATION: Isoform 1  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE:

RESULT 3  
 US-09-898-554-12  
 ; Sequence 12, Application US/09898554  
 ; Publication No. USC03006873A1.

GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R.  
 ; APPLICANT: WELCH, CARRIE L.  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHS01 ) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 ( ATHS02 )  
 ; TITLES OF INVENTION: SUSCEPTIBILITY GENE LOCUS 1 ( ATHS01 ) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 ( ATHS02 )  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898, 554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 12  
 ; LENGTH: 1192  
 ; APPLICANT: Murinae gen. sp.  
 ; FEATURE:

FEATURE:

NAME/KEY: misc feature  
; OTHER INFORMATION: M-Isoform 1  
US-09-898-554-12

Query Match 90.2%; Score 671.4; DB 11; Length 1192;  
Best Local Similarity 99.1%; Prd. No. 5.4e-210;  
Matches 675; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Oy 64 AAGCCTAAAGGAGTCCCCAGAGAACTCAAGGAAGATGACCATACCCGGAG 123  
Db 512 AACTCTGAGGAGTCAGAGAACTCAGGAAGATGACCATACCCGGAG 571

Oy 124 CTGGACCGAAATCCAAAGAGGGAGCTCTGGAGTATTGAGAACTTCCAAGAA 183  
Db 572 CTGGACCGAAATCCAAAGAGGGAGCTCTGGAGTATTGAGAACTTCCAAGAA 631

Oy 184 GGCCTGGAGAGACTCTCAGAGGGTCCAGAGAACTCAAGGAAGAGATA 243  
Db 632 GGCCTGGAGAGACTCTCAGAGGGTCCAGAGAACTCAAGGAAGAGATA 691

Oy 244 GACACCTCTCACCTTGAGCTGAGCTGAGAAACTTCCAAGAGGGAGCTCTACAGAAG 303  
Db 692 GRACACCTCTCACCTTGAGCTGAGCTGAGAAACTTCCAAGAGGGAGCTCTACAGAAG 751

Oy 304 AATCAGAACCTCCAAGGAGCTGCAAACTTTCAAGTCTCTGTGTCACAA 363  
Db 752 AATCAGAACCTCCAAGGAGCTGCAAACTTTCAAGTCTCTGTGTCACAA 811

Oy 364 GACTGGGAGAACCTGCGGATAAAGAAAACCTGTTACCCCTCCATGGGCCGGAAAAA 423  
Db 812 GACTGGCCTGCGGATAAAGAAAACCTGTTACCCCTCCATGGGCCGGAAAAA 871

Oy 424 AACCGGAGAACCTGCGGATAAAGAAAACCTGTTACCCCTCCATGGGCCGGAAAAA 483  
Db 872 AACCGGGAGAACCTGCGGATAAAGAAAACCTGTTACCCCTCCATGGGCCGGATA 931

Oy 484 CTGACATTCATCTTACAGCAATTCCCATACCTGGCCAGTTACATACATTATGGCCAGATGAT 543  
Db 932 CTGACATTCATCTTACAGCAATTCCCATACCTGGCCAGTTACATACATTATGGCCAGATGAT 991

Oy 544 CGGAAGAAGGCTGGCCACCATGGCTATGGGAAGAATGGAACTCCTTGAATTTCATTC 603  
Db 992 CGGAAGAAGGCTGGCCACCATGGCTATGGGAAGAATGGAACTCCTTGAATTTCATTC 1051

Oy 604 TTAAAGACCAGGGGGTTCTTACAGTATATTCAAAGAACCTGCTACCTCTCAA 663  
Db 1052 TTAAAGACCAGGGGGTTCTTACAGTATATTCAAAGAACCTGCTACCTCTCAA 1111

Oy 664 GACGGAGCTGTGTGTGGTAAACTGGATTCTPAATTGGATTCTGATGAGAAAG 723  
Db 1112 GACGGAGCTGTGTGTGGTAAACTGGATTCTGATGAGAAAG 1171

Oy 724 ACAAAATCATTGGAAATTAG 744  
Db 1172 ACAAAATCATTGGAAATTAG 1192

RESULT 4  
US-09-870-759-141  
; Sequence 141, Application US/09870759  
; GENERAL INFORMATION:  
; APPLICANT: TERMAN, David S  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
; FILE REFERENCE: 810759  
; CURRENT APPLICATION NUMBER: US/09/870759  
; CURRENT FILING DATE: 2002-01-14  
; PRIOR APPLICATION NUMBER: US 60/208,128  
; PRIOR FILING DATE: 2000-05-30  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO: 141  
; LENGTH: 3763

TYPE: DNA  
ORGANISM: Mus musculus  
FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (48)..(1139)  
; OTHER INFORMATION:  
US-09-870-759-141

Query Match 89.8%; Score 668.2; DB 10;  
Best Local Similarity 98.8%; Pred. No. 1.2e-208;  
Matches 673; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Oy 64 AAGCCTAAAGGAGTCCCCAGAGAACTCAAGGAAGATGACCATACCCGGAG 123  
Db 459 AACCTCTGAGGAGTCCCCAGAGAACTCAAGGAAGATGACCATACCCGGAG 518

Oy 124 CTGGACCGAAATCCAAGAGGGAGCTCTGGAGTATTGAGAACTTCCAAGAA 183  
Db 519 CTGGACCGAAATCCAAGAGGGAGCTCTGGAGTATTGAGAACTCAAGGAAGATGACCATACCCGGAG 571B

Oy 184 GGCCTGGAGAGACTCTCAGAGGGTCCAGAGAACTCAAGGAAGAGATA 243  
Db 579 GCCCTGGAGAGACTCTCAGAGGGTCCAGAGAACTCAAGGAAGAGATA 631B

Oy 244 GACACCTCTCACCTTGAGCTGAGCTGAGAAACTTTCAAGTCTCTGTGTCACAA 303  
Db 639 GACACCTCTCACCTTGAGCTGAGCTGAGAAACTTCCAAGAGGGAGCTCTACAGAAG 698

Oy 304 AATCAGAACCTCCAAGAAGGCCCTGCGAAACTTCTAGGCTCTTGTGTCACAA 363  
Db 699 AATCAGAACCTCCAAGAAGGCCCTGCGAAACTTCTAGGAGCTCCAGAGAACTCAAGGAAGATA 811B

Oy 364 GACTGGCCTGCGGATAAAGAAAACCTGTTACCCCTCCATGGGCCGGAAAAA 423  
Db 759 GACTGGCCTGCGGATAAAGAAAACCTGTTACCCCTCCATGGGCCGGAAAAA 871B

Oy 424 AACCGGAGAACCTGCGGATAAAGAAAACCTGTTACCCCTCCATGGGCCGGATA 483  
Db 819 AACCGGAGAACCTGCGGATAAAGAAAACCTGTTACCCCTCCATGGGCCGGATA 931B

Oy 484 CTGACATTCATCTTACAGCAATTCCCATACCTGGCCAGTTACATACATTATGGCCAGATGAT 543  
Db 879 CTGACATTCATCTTACAGCAATTCCCATACCTGGCCAGTTACATACATTATGGCCAGATGAT 991B

Oy 544 CGGAAGAAGGCTGGCCACCATGGCTATGGGAAGAATGGAACTCCTTGAATTTCATTC 603  
Db 939 CGGAAGAAGGCTGGCCACCATGGCTATGGGAAGAATGGAACTCCTTGAATTTCATTC 991B

Oy 604 TTAAAGACCAGGGGGTTCTTACAGTATATTCAAAGAACCTGCTACCTCTCAA 663  
Db 999 TTAAAGACCAGGGGGTTCTTACAGTATATTCAAAGAACCTGCTACCTCTCAA 1058

Oy 664 GACGGAGCTGTGTGTGGTAAACTGGATTCTPAATTGGATTCTGATGAGAAAG 723  
Db 1059 GACGGAGCTGTGTGTGGTAAACTGGATTCTGATGAGAAAG 1118

Oy 724 ACAAAATCATTGGAAATTAG 744  
Db 1119 ACAAAATCATTGGAAATTAG 1192

RESULT 5  
US-09-751-708A-141  
; Sequence 141, Application US/09751708A  
; Publication No. US20030157113A1  
; GENERAL INFORMATION:  
; APPLICANT: TERMAN, David S  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
; FILE REFERENCE: 751708  
; CURRENT APPLICATION NUMBER: US/09/751708A  
; CURRENT FILING DATE: 2002-10-15  
; PRIOR APPLICATION NUMBER: US 60/173,371  
; PRIOR FILING DATE: 1999-12-28

NUMBER OF SEQ ID NOS: 166  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO: 141  
 LENGTH: 3763  
 TYPE: DNA  
 ORGANISM: Mus musculus  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: (48) : (1139)  
 OTHER INFORMATION:  
 US-09-751-70BA-141

Query Match 89.8%; Score 668.2; DB 13; Length 3763;  
 Best Local Similarity 98.8%; Pred. No. 1.2e-208;  
 Matches 673; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 64 AAGCCCTAAAGGGAGTCCCAGAGAGA CTCAAGGAAAGATAGACACATCACCGGAG 123  
 Db 459 AACCTCTCAGGGAGTCCCAGAGAACATCAGGAAGATAGACACATCACCGGAG 518

Qy 124 CTGGAGCAGAAATCCAAAGAGCAGGGAGGAGCTTCAGAGACTCAAGGAAAGATA 183  
 Db 519 CTGGAGCAGAAATCCAAAGAGCAGGGAGGAGCTTCAGAGACTCAAGGAAAGATA 578

Qy 184 GCCCCCTCAGAGAGCTGCAAACCTCTCAAGAGACTCCAGAGACTCAAGGAAAGATA 243  
 Db 579 GCCCCCTCAGAGAGCTGCAAACCTCTCAAGAGACTCCAGAGACTCAAGGAAAGATA 638

Qy 244 GACACCTCACTTGAAGAGGAGGAGGACTCTCAAGAGACTCAAGGAAAGATA 303  
 Db 639 GACACCTCTACCTTGAAGAGGAGGACTCTCAAGAGACTCAAGGAAAGATA 698

Qy 304 AATCAGAACCTCCAAGAGGCTGCAAACCTTTAGGTCTTGTCCACA 363  
 Db 699 AATCAGAACCTCCAAGAGGCTGCAAACCTTTAGGTCTTGTCCACA 758

Qy 364 GACTGGCTCTGCCATAAAGAAAACGTACTCTTCCATGGCCCTTGGCTGGAAA 423  
 Db 759 GACTGGCTCTGCCATAAAGAAAACGTACTCTTCCATGGCCCTTGGCTGGAAA 818

Qy 424 AACCGCGAGACTCTGCCATTTGGTGGCGATTACTACAATTATGGTGCAGATGAT 483  
 Db 819 AACCGCGAGACTCTGCCATTTGGTGGCGATTACTACAATTATGGTGCAGATGAT 878

Qy 484 CTGACATCATCTTAAAGGAATTTCACCATCCATACCCATTCGGATTGGATGAT 543  
 Db 879 TTGACATCTCATCTTAAAGGAATTTCACCATCCATACCCATTCGGATTGGATGAT 938

Qy 544 CGGAAGAAGCTGGCAACCATTGGCTATGGAGAATGGAACTCTTGGATTTCATC 603  
 Db 939 CGGAAGAAGCTGGCAACCATTGGCTATGGAGAATGGAACTCTTGGATTTCATC 998

Qy 604 TTAAACCAAGGGCTTCTTACAGTATATTCACTAGCAACTGTGCATACCTCAA 663  
 Db 999 TTAAACCAAGGGCTTCTTACAGTATATTCACTAGCAACTGTGCATACCTCAA 1058

Qy 664 GACGGAGCTGGTCTGCCATGAAACTGCAATTCTAAATTGCAATTGTCAAGAG 723  
 Db 1059 GACGGAGCTGGTCTGCCATGAAACTGCAATTCTAAATTGCAATTGTCAAGAG 1118

Qy 724 ACAATCATTTGCAATTATTAG 744  
 Db 1119 ACAATCATTTGCAATTATTAG 1139

; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHS1) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 (ATHS2)  
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHS2)  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898-554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 11  
 ; LENGTH: 1092  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; OTHER INFORMATION: B-isoform 1  
 ; US-09-898-554-11  
 ; Query Match 82.7%; Score 615.4; DB 11; Length 1092;  
 ; Best Local Similarity 94.0%; Pred. No. 1.4e-191;  
 ; Matches 640; Conservative 0; Mismatches 41; Indels 0; Gaps 0;  
 Qy 64 AACCTCTAAAGGGAGTCCCAGAGAGAACTCAAGGAAAGATAAGACCATCACCGGAAAG 123  
 Db 412 AACCTCTAGAGAGGTCCCAGAGAACTCAAGGAAAGATAAGACCATCACCGGAG 471

Qy 124 CTGGAGCAGAAATTCACAGGAGGAGCTTCAGAGACTCAAGGAAAGATA 183  
 Db 472 CTGGAGCAGAAATTCACAGGAGGAGCTTCAGAGACTCAAGGAAAGATA 531

Qy 184 GCCTGGAGAGCTGCAAACCTCTCAAGAGGAGGAGGAGCTTCAGAGACTCAAGGAAAGATA 243  
 Db 532 GCCTGGAGAGCTGCAAACCTCTCAAGAGGAGGAGCTTCAGAGACTCAAGGAAAGATA 591

Qy 244 GACACCTCACTTGAAGAGGAGGAGGACTCTCAAGAGACTCAAGGAAAGATA 303  
 Db 592 GACACCTCACTTGAAGAGGAGGAGCTTCAGAGACTCAAGGAAAGATA 651

Qy 304 AATCAGAACCTCCAAGAGGCTGCAAACCTTTAGGTCTTGTCCACA 363  
 Db 652 AATCAGAACCTCCAAGAGGCTGCAAACCTTTAGGTCTTGTCCACA 711

Qy 364 GACTGGCTCTGCCATTTGGTGGCGATTACTACAATTATGGTGCAGATGAT 423  
 Db 712 GACTGGCTCTGCCATTTGGTGGCGATTACTACAATTATGGTGCAGATGAT 771

Qy 424 AACCGCGAGACTCTGCCATTTGGTGGCGATTACTACAATTATGGTGCAGATGAT 483  
 Db 772 AACCGCGAGACTCTGCCATTTGGTGGCGATTACTACAATTATGGTGCAGATGAT 831

Qy 484 CTGACATCATCTTAAAGGAATTTCACCATCCATACCCATTCGGATTGGATGAT 543  
 Db 832 CTGACATCATCTTAAAGGAATTTCACCATCCATACCCATTCGGATTGGATGAT 891

Qy 544 CGGAAGAAGCTGGCAACCATTGGCTATGGAGAATGGAACTCTTGGATTTCATC 603  
 Db 892 CGGAAGAAGCTGGCTTCTTACAGTATATTCACTAGCAACTCTTGGAAATTTCAATTC 951

Qy 604 TTAAACCAAGGGCTTCTTACAGTATATTCACTAGCAACTGTGCATACCTCAA 663  
 Db 952 TTAAACCAAGGGCTTCTTACAGTATATTCACTAGCAACTGTGCATACCTCAA 1011

Qy 664 GACGGAGCTGGTCTGCCATGAAACTGCAATTCTAAATTGCAATTGTCAAGAG 723  
 Db 1012 GGGCGTTCTTACAGTAAACTGCAATTGTCAAGAG 1092

Qy 724 ACATCATTTGCAATTATTAG 744  
 Db 1072 ACAATCATTTGCAATTATTAG 1092

RESULT 7  
 US-09-898-554-15  
 Sequence 11, Application US/09898554  
 Publication No. US20030068673A1  
 ; Sequence 15, Application US/09898554  
 ; Publication No. US20030068673A1

GENERAL INFORMATION:

; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 ( ATHSQ2 )  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898 554  
; NUMBER OF SEQ ID NOS: 40  
; SEQ ID NO 15  
; SOFTWARE: Patentin version 3.1  
; LENGTH: 606  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1). (606)  
; OTHER INFORMATION:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 8  
; US-09-898-554-15

Query Match 71.5%; Score 511.8; DB 11; Length 606;  
Best Local Similarity 98.7%; Prod. No. 3.4e-164;  
Matches 536; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 202 AACTCTCAGGGATGCCAGAGAACTCAAGGAAGATACACCCCTACCTTGTAG 261  
Db 64 AAGCTTAAGAGGATGCCAGAGAACTCAAGGAAGATACACCCCTACCTTGTAG 123

Qy 262 CTGAAACGAGAAATTCAAAGGAGGAGGAGCTCTACAGAAGAATCAGAACTCCAGAA 321  
Db 124 CTGAAACGAGAAATTCAAAGGAGGAGGAGCTCTACAGAAGAATCAGAACTCCAGAA 183

Qy 322 GCCCTGCAAAGAGCTGCAAACCTTTCACTGCTCTGTCACAGACTGCTCTGCATAAA 381  
Db 184 GCCCTGCAAAGAGCTGCAAACCTTTCACTGCTCTGTCACAGACTGCTCTGCATAAA 243

Qy 382 GAAAACCTGTACCTCTTCATGGCCCTCATGGCCGAGCTGCCAA 441  
Db 244 GAAAACCTGTACCTCTTCATGGCCCTTAGTGGAAAAAACCGCGAGCTGCCAA 303

Qy 442 TCTTTGGTGGCCAGTACTACAAATAATGGNGCAGATGATCTGACATTCTACAA 501  
Db 304 TCCTTGCTGGCCAGTACTACAAATAATGGNGCAGATGATCTGACATTCTACAA 363

Qy 502 GCATTTCATACCCATCCATTCTGATGGTCAATGTTGAAAGGCTGCCAA 561  
Db 364 GCATTTCATACCCATCCATTCTGATGGTCAATGTTGAAAGGCTGCCAA 423

Qy 562 CCATGGCTATGGAAATGGAATTCATTCATTGTTAGACCCGGGGTT 621  
Db 424 CCATGGCTATGGAAATGGAATTCATTCATTGTTAGACCCGGGGTT 483

Qy 622 TCTTTACAGCTTATCATCAAGGAACTCTGCAATACCTTCAGACGGAGCTGTGTGCT 681  
Db 484 TCTTTACAGCTTATCATCAAGGAACTCTGCAATACCTTCAGACGGAGCTGTGTGCT 543

Qy 682 GAAAATGCAATTCTAAATGCAATTGCAATTGCAAGAAAGAACAAATTGCAATT 741  
Db 544 GAAAATGCAATTCTAAATGCAATTGCAATTGCAAGAAAGAACAAATTGCAATT 603

Qy 742 TAG 744  
Db 604 TAG 606

RESULT 8

US-09-17-800A-474  
; Sequence 474, Application US/09917800A  
; Patent No. US2011.19462A1  
; GENERAL INFORMATION:

; APPLICANT: Mendrick, Donna  
; APPLICANT: Porter, Mark  
; APPLICANT: Johnson, Cory  
; APPLICANT: Castle, Arthur  
; APPLICANT: Elashoff, Michael  
; APPLICANT: Gene Logic, Inc.  
; TITLE OF INVENTION: Molecular Toxicology Modeling  
; FILE REFERENCE: 44921-5038-US  
; CURRENT APPLICATION NUMBER: US/09/917,800A  
; CURRENT FILING DATE: 2001-07-31  
; PRIOR APPLICATION NUMBER: US 60/222,040  
; PRIOR FILING DATE: 2000-07-31  
; PRIOR APPLICATION NUMBER: US 60/222,880  
; PRIOR FILING DATE: 2000-11-02  
; PRIOR APPLICATION NUMBER: US 60/290,029  
; PRIOR FILING DATE: 2001-05-11  
; PRIOR APPLICATION NUMBER: US 60/290,645  
; PRIOR FILING DATE: 2001-05-15  
; PRIOR APPLICATION NUMBER: US 60/292,336  
; PRIOR FILING DATE: 2001-05-22  
; PRIOR APPLICATION NUMBER: US 60/295,798  
; PRIOR FILING DATE: 2001-06-06  
; PRIOR APPLICATION NUMBER: US 60/297,457  
; PRIOR FILING DATE: 2001-06-13  
; PRIOR APPLICATION NUMBER: US 60/298,884  
; PRIOR FILING DATE: 2001-06-19  
; PRIOR APPLICATION NUMBER: US 60/303,459  
; PRIOR FILING DATE: 2001-07-09  
; NUMBER OF SEQ ID NOS: 1740  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 474  
; LENGTH: 3750  
; TYPE: DNA  
; ORGANISM: Rattus norvegicus  
; FEATURE:  
; OTHER INFORMATION: Genbank Accession No. US20020119462A1 AB005900  
; US-09-917-800A-474

Query Match 70.8%; Score 526.8; DB 10; Length 3750;  
Best Local Similarity 85.8%; Pred. No. 4.6e-162;  
Matches 585; Conservative 0; Mismatches 97; Indels 0; Gaps 0;  
Qy 63 GAAAGCTTAAGAGGAGTCCAGAGAACTCAAGGAAAGATAGACCATCACCGGAA 122  
Db 502 GAAAGCTTCAGAGGAGTCCAGTGGGAAGCTCAAGTGGAAATAGACATTCTCAACTGAA 561  
Qy 123 GCTGGAGCAGAAATTCCAAGAGCAGGAGGCTCTGCAATGATTAGAACCTCCAGAA 182  
Db 562 GCTGAATGGGATATCCAAAGAGCAGGAGGCTCTGCAAGAACATGAACTCCAGAA 621  
Qy 183 AGCCCTGAGAGGAGCTGCAACCTTCAGAGGCTCCAGAGAACTCAAGGAAGAT 242  
Db 622 AGCCCTGCAAGAAATTTCAGAGGAGTCCAGAGAAACTTCAGAGGAACTGGAA 681  
Qy 243 AGAACCCCTCACTTGAAGTGAACGAAATCAAGGAGGAGCTCTGCAAGAACATGAACTCCAGAA 302  
Db 682 AGAACCCCTCACTTGAAGTGAACGAAATCAAGGAGGAGCTCTGCAAGAACATGAACTCCAGAA 741  
Qy 303 GATTCAGAAACCTCCAGAAAGGCTGCAACTTTCAGGTTCTGTCCTGCCAA 362  
Db 742 GATTCAGAACTTCAAGAACCTCACTTGAAGTGAACGAAATCTGCAAGAACATGAACTCCAGAA 801  
Qy 363 AGACTGGCTCMGGCATAAAGAAAATGTTACCTCTCCATGGCCCTTGGCTGGAAAA 422  
Db 802 AGACTGGATCTGGATTAAGAAATGTTACCTCTCCATGGCCCTTGGCTGGAAAA 861  
Qy 423 AACCCGGCAGACCTGCAATCTTGGTGGCCAGTTACTAAATTATGGTGAGATGA 482  
Db 862 AGATCGGGAGAATGCTATCTTGTACATGCCAGTTACTAAATTAGTACACAGATGA 921  
Qy 483 TCTGACATTCTACATTAAAGGAAATTCCATACACCCCTCCCATCTGGATGGATGCA 542  
Db 922 TCTGAACTTCGCTCTTAAAGCAACTCCATTCACTTCAACCTCCATTCACTTCAAC 981

543 TCGGAAGAACTGGCCAAACCATGGCTATGGGAAATGGAAACTCCTTGTATTTCATT 602  
 982 TCGAAAATTCACCAACCCATGGCTTCCCTTCCTTGAGTTTCATT 1041  
 Db 303 GATCGAACCTCGAGAAGCTGAAACTTTCAGGTCTTGCACCA 362  
 Db 742 GATCGAACATTCAGAAGCCCTGAGAAGCTTCAGTCACCA 801  
 603 CTTTAAGACCGAGGGCGTTCTTACAGCTTATTCATAAGAAACTGTGATACCTTC 662  
 1042 CTTAGGACACGGGCGTTCTTACAGTGTACTCATGGACCCCTGATATTC 1101  
 Db 363 AGACTGCGCTTGGCATAAAGAAAATGGTAACTTCATGGGGAAA 422  
 Db 802 AGACTGCGATCTGGCATAAAGAAAATGGCCCTTAACGGAAAA 861  
 663 AGACGGGACTGTGTTGCTGAGAAACTGCAATTCAATTGCAATTGTCAGAGAA 722  
 Db 423 AAACCGCCAGACCTGCCAATTTGGTCGCAAGTACTACAATTAAATGGTCAGATGA 482  
 Db 862 AAGTCGGAGATGGCTATTTAGCTTACAAATTAGTCACACATGA 921  
 Dy 483 TCTGACATTCTCTCAAGGAATTCCCATACCCATCTGGATTGGATGTGCA 542  
 Db 922 TCTGACATTCTGCTTACAGAACCTCCCATTTGGGGATTACAA 981  
 Db 543 TCGGAAAGCCAGACCTGCCAATTTGGCATGGAACTCCCATCTGGATTGGATT 602  
 Db 982 TCGAAAATTCACCAACCCATGGCTTCCCTTCATGGGGATTCATT 1041  
 Qy 603 CTTTAGACCGAGGGCGTTCTTACAGCTTATTCATAAGCAACTGTGATTC 662  
 Db 1042 CTTTAGACCGAGGGCGTTCTTACAGTGTACTCATGGACCCCTGATATTC 1101  
 Qy 663 AGACGGAGCTGTTGCTGAAACTGCAATTCAATTGCAATTGAGAGAA 722  
 Db 1102 AGGAGGAGTGTGTTGCTGAAACTGCAATTGCAATTGAGAGAA 1161  
 FILE REFERENCE: SHM-017  
 CURRENT APPLICATION NUMBER: US/10/220,511  
 CURRENT FILING DATE: 2002-12-06  
 PRIOR APPLICATION NUMBER: JP P2000-557745  
 PRIOR FILING DATE: 2000-03-02  
 PRIOR APPLICATION NUMBER: JP P2000-333116  
 PRIOR FILING DATE: 2000-10-31  
 PRIOR APPLICATION NUMBER: PCT/JP01/01636  
 PRIOR FILING DATE: 2001-03-02  
 NUMBER OF SEQ ID NOS: 15  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 14  
 LENGTH: 3750  
 TYPE: DNA  
 ORGANISM: Rattus norvegicus  
 FEATURE:  
 NAME/KEY: 5' UTR  
 LOCATION: (1)..(91)  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: (92)..(1186)  
 FEATURE:  
 NAME/KEY: 3' UTR  
 LOCATION: (1187)..(3750)  
 FILE REFERENCE: US-10-220-511-14  
 Query Match Score 526.8; DB 11; Length 721;  
 Best Local Similarity 85.8%; Pred. No. 4.6e-162;  
 Matches 585; Conservative 0; Mismatches 97; Indels 0; Gaps 0;  
 Query Match Score 526.4; DB 11; Length 721;  
 Best Local Similarity 85.5%; Pred. No. 2.3e-162;  
 Matches 636; Conservative 0; Mismatches 71; Indels 37; Gaps 3;  
 US-09-898-554-28  
 Qy 1 ATGACTTTGATGACAGATGAGCCCTGCGAATGACAGGCTGATGAGAAAGTCATGGC 60  
 Db 1 ATGACTTTGATGACAGATGAGCCCTGCGAATGACAGGCTGATGAGAAAGTCATGGC 60  
 Qy 61 AAGAAAGCTAAAGGAGTCCAGAGAAACTCAAGGAAACTCAAGGAAAGATAGACCCGG 120  
 Db 61 AAGAAAGCTAAAGGAGTCCAGAGAAACTCAAGGAAAGATAGACCCGG 95  
 Dy 183 AGCCCTGCGAGAGCTGCAACTCTTCAGGGAGTCTCCAGAGAAACTCAAGGAAAGAT 242  
 Db 622 AGCCCTGCGAAACCTGAGAAATTCAAGGAGTCCAGAGAAACTCAAGGAAAGAT 681  
 243 AGACACCCCTACCTTGAGCTGAGCTGAGCAAGAAATCCAAGAGGAGGCTCTACAGAA 302

96 ATGGGGTCCCTGCTGTATGACTCTGGTCATCCTCTGGTTCAGTGACCC- 153  
 Db Qy AGGCCCCCTGCAAGAGCTGCAAATCTCTCAGGGAGTCCCAGAGAACTCAAGGGAAAG 240  
 Qy 181 GAAGCCCCCTGCAAGAGCTGCAAATCTCTCAGGGAGTCCCAGAGAACTCAAGGGAAAG 240  
 Db 154 ----- -CTTATTGTGACAGTGACA-CATAGGAGTCCAGAGAACTCAAGGGAAAG 204  
 Db 241 ATAGACACCTCACCTGAAGTGAAACSGAAATCCAAAAGAGCAGGGAGGCTTCAG 300  
 Qy 205 ATAGACACCTCACCTGAAGTGAAACSGAAATCCAAAAGAGCAGGGAGGCTTCAG 264  
 Db Qy 301 AACATACTGAAACCTCCAGAAGGCCCTGAAAGAGCTGAAACTTTAGGTCCTTGCCA 360  
 Db 265 AAGAACTGAAACCTCCAGAAGGCCCTGCAAGAGCTGCAAATCTCTGGCTTCAG 324  
 Qy 361 CAAAGACTGGCTCYGGATAAAGAAAATCTGTTACCTCTTCCATGGCCCTTAGCTGGAA 420  
 Db 325 CAAAGACTGGCTCYGGATAAAGAAAATCTGTTACCTCTTCCATGGCCCTTAGCTGGAA 384  
 Qy 421 AAAAACCGGAGACCTGCCAATCTGGTGGCCAGTGACTACAATAATGGTGCAGAT 480  
 Db 385 AAAAACCGGAGACCTGCCAATCTGGTGGCCAGTGACTACAATAATGGTGCAGAT 444  
 Qy 481 GATCTGAGATTCTCATCTTCAAGGAAATTCCCATACCCACTCCCATCTGGATTGGATTG 540  
 Db 445 GATCTGAGATTCTCATCTTCAAGGAAATTCCCATACCCACTCCCGTCTGGATTGGATTG 504  
 Qy 541 CATCGGAAAGGCTGGCAACCATGGTATGGAGATGGAACTCTTGTGATTCAA 600  
 Db 505 CATCGGAAAGGCTGGCAACCATGGTATGGAGATGGAACTCTTGTGATTCAA 564  
 Qy 601 TTCTTTAGACCAGGGGTTCTTACAGTATATCATCAAGCACTGTGCACTCTT 660  
 Db 565 TTCTTTAGACCAGGGGCTTCTTACAGTATATCATCAAGCACTGTGCACTCTT 624  
 Qy 661 CAAGACGGAGCTGTGCTGAAACTGCAATTCTAATTGCAATTGCAATTGCAAG 720  
 Db 625 CAAGACGGAACTGTGCTGAAACTGCAATTCTAATTGCAATTGCAATTGCAAAAG 683  
 Qy 721 AAGACAAATTCTGGAAATTG 744  
 Db 684 AAGACAAATTCTGGAAATTG 707  
 RESULT 11 US-09-898-554-17  
 ; Sequence 17, Application US/09898554  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R  
 ; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHE  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898, 554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 21  
 ; LENGTH: 773  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE: CDS  
 ; NAME/KEY: CDS  
 ; LOCATION: (1) .. (174)  
 ; OTHER INFORMATION:  
 ; NAME/KEY: misc feature  
 ; OTHER INFORMATION: Isoform 2  
 US-09-898-554-21  
 Query Match 50.1%; Score 374.8; DB 11; Length 773;  
 Best Local Similarity 97.8%; Pred. No. 2e-112; Matches 401; Conservative 0; Mismatches 7; Indels 2; Gaps 2;  
 Qy 64 AAGCCCTAAAGGAGACTCCAGAGAACTCAAGGGAAAGATAGACCACTGACCCGAAG 123  
 Db 359 AACTCTCAAGGAAGCTCCAGAGAACTCAAGGGAAAGATAGACCACTGACCCGAAG 418  
 Qy 124 CTGGAGGAGAAATCCAAAGGAGGAGGACTCTCGCAATGATICAAGAACCTCCAGAA 183  
 Db 419 CTGGAGGAGAAATCCAAAGGAGGAGGACTCTCGCAATGATICAAGAACCTCCAGAA 478  
 Qy 184 GCCCTGAGGAGGAGCTGCAAATCTTCAAGGAGTCCCAGAGAACTCAGGGAAAGATA 243  
 Db 479 GCCCTGAGGAGGAGCTGCAAATCTTCAAGGAGTCCCAGAGAACTCAGGGAAAGATA 538  
 ; Query Match 52.9%; Score 393.8; DB 11; Length 468;  
 ; Best Local Similarity 99.5%; Pred. No. 8.3e-12; Matches 395; Conservative 0; Mismatches 0; Gaps 0;

US-09-898-554-17

Qy 244 GACACCCCTCACCTTGAAGCTAACGAGAAATCCAAGAGCAGGAGCTTCTACAGAG 303 Db 615 TCGGAAG 621

Db 539 GACACCCCTCACCTTGAAGCTAACGAGAAATCCAAGAGCAGGAGCTTCTACAGAG 598

RESULT 14  
US-09-898-554-27  
; Sequence 27, Application US/09898554  
; Publication No. US2003006867A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 ( ATHSQ2 )  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898, 554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO: 27  
; LENGTH: 712  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 5  
; US-09-898-554-27

Query Match 44.4%; Score 330.2; DB 11; Length 712;  
Best Local Similarity 77.2%; Pred. No. 9.4e-98;  
Matches 475; Conservative 0; Mismatches 113; Indels 27; Gaps 5;

Qy 1 ATGCATTTGAGAACAGATGAAGGCCGCGATGACGGCTGATCAGAACGTCATGTGGC 60  
Db 1 ATGCATTTGATCAACATGAAGCTGAGCTGTGAAGTGTGGCATGTGGC 60

Qy 61 AAGAGCTTAAGGGTCCCAGAGAACTCAAGG------AAAG 102  
Db 61 AAGAGCTTAAGGGTCCCAGATGGCTTCTTCATGGTGTGGTATGACT 120

Qy 103 ATAGACACCATTACCCGAAGCTGAGAGATACTTAAAGAGGGAGGT-TCTGCA 161  
Db 121 CGGTCTACCTCTGCTGTGTGTGTGACCCATTGTACGTGACACATGTGTC 180

Qy 162 GATGATTGAGAACCTCAAAGAACCCCTCGAGAGCTGCAAACTCTCGAGGGTCCC 221  
Db 181 TATCTGAAAGGCAGATGTGTTGCCAGAGGCAAAACATTCACAGATAAA 240

Qy 222 GAGGAATCAAGGAAGATAAACCCCTCACCTGAAAGCTGAACGAGAACCAAAGA 281  
Db 241 GAGGAATCAAGGAAGATAAACCCCTCACCTGAAAGCTGAACGAGTCAGACG-- -ACTCAAAGA 297

Qy 282 GCAGGAGAGCTTCAAGAAAGATAAACCCCTCACCTGAAAGCTGAACGAGCTGCAA 341  
Db 298 GCAGGAGAGCTAACCCCTCACCTGAAAGCTGAACGAGTCAGACG-- -ACTCAAAGA 353

Qy 342 CTTCAGTCAGTCCTTGCTCCACAAAGACTGGCTCTGGCATAAAGAAAATCTGTACCTCTTCA 401  
Db 354 CTCAGTCAGTCCTTGCTCCACAAAGACTGGCTCTGGCATAAAGAAAATCTGTACCTCTTCA 413

Qy 402 TGCGCCCTTGGTTGGTGGGAAAAAACCGGCAGACCTGCTCTGGCATAAAGAAAATCTGTACCTCTTCA 461  
Db 414 TGCGCCCTTGGTGGGAAAAAACCGGCAGACCTGCTCTGGCATAAAGAAAATCTGTACCTCTTCA 473

Qy 462 ACAATTAAATGGTCAGATGATCTGAGATTCAAGGAAATTCCATACACACTC 521  
Db 474 ACAATTAAATGGTCAGATGATCTGAGATTCAAGGAAATTCCATACACACTC 533

Qy 522 CCCATTGGATTTGGATGGATGGATGGATGGATGGATGGATGGATGGATGG 581  
Db 534 CCCTCTGGATTTGGATGGATGGATGGATGGATGGATGGATGGATGG 592

Qy 582 AACCTCTTGTGAATT 596

Qy 244 GACACCCCTCACCTTGAAGCTAACGAGAAATCCAAGAGCAGGAGCTTCTACAGAG 303  
Qy 304 AATCAGAACCTCCAGAACGCTTGCAGAGCTGCAAACCTTCAAGGTCTTGCACAA 363  
Db 599 AATCAGAACCTCCAGAACGCTTGCAGAGCTGCAAACCTTCAAGGTCTTGCACAA 658

Qy 364 GACTGCTCTGGCATAAAGAAAACCTGTACCTCTGGCTGGAAATAAA 423  
Db 659 GACTGCTCTGGCATAAAGAAAACCTGTACCTCTGGCTGGAAATAAA 717

Qy 424 AACCCGGAGACCTGCCAACCTGGCAATCTTGGTGGCAAGTACTACAATAATGG 473  
Db 718 AGCCGGAGACCTGCCAACCTGGTGGCAATCTTGGTGG-CAGTFACTACAAATAATGG 766

RESULT 13  
US-09-898-554-25  
; Sequence 25, Application US/09898554  
; Publication No. US2003006867A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 ( ATHSQ2 )  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898, 554  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO: 25  
; LENGTH: 621  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1) : (621)  
; OTHER INFORMATION:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 4  
; US-09-898-554-25

Query Match 45.5%; Score 338.2; DB 11; Length 621;  
Best Local Similarity 95.1%; Pred. No. 2e-100;  
Matches 349; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

Qy 183 AGCCCTGAGAGCTGCAAACCTCTCAGGGAGTCCAGAGAACCTCAGGGAAAGAT 242  
Db 255 AGCCCAAGCAAGGGAGAAACACCTCACGGAAATCAAAGGGAAAGAT 314

Qy 243 AGACACCTCACCTGAAAGCTGAAAGCAGAACCTTCAGGGAAAGAT 302  
Db 315 AGACACCTCACCCAGAAGCTGAAAGCAGAACATCAAAGGGAAAGAT 374

Qy 303 GAATCGAACCTCCAGAACGGCCCTGCAAAAGGCTCAAACCTTTCAGGTCCCTG 362  
Db 375 GAATCGAACCTCCAGAACGGCCCTGCAAAAGGCTCAAACCTTTCAGGTCCCTG 434

Qy 363 AGACCTGGCTCTGGCATAAAGAAAACCTGTTACCTCTCATGGGCTGGAAATA 422  
Db 435 AGACCTGGCTCTGGCATAAAGAAAACCTGTTACCTCTCATGGGCTGGAAATA 494

Qy 423 AAACCCGAGACCTGCACATTGGTGGCAGTTACTACAATAATGGTGGATGA 482  
Db 495 AAACCCGAGACCTGCACATTGGTGGCAGCTAACATGGTGGATGA 554

Qy 483 TCTGAGATTCATCTAACAGGAATTTCCTAACACCTCCATGGGATGGATGA 542  
Db 555 TCTGAGATTCATCTAACAGGAATTTCCTAACACCTCCATGGGATGGATGA 614

Qy 543 TCGGAAG 549

Db 593 ACTCTCTGAATT 607 Qy 600 ATTCTTTAGACCAAGGGCGTTTACAGCTATTCATCAAGAACACTGCGCATACCT 659  
 Db 739 CTATTAGCTCAGGCCTCACCCCTCAGGTGAT 798

RESULT 15 Qy 660 TCAAGACGGACCTGTTTCGTTGAAACTGGATCTTAATGGCATTCAGCATATGTCAGAA 719  
 US-10-220-511-1 ; Sequence 1, Application US/10220511 Db 799 ACAACAGGAGCTTATGGGGAAAACGTGATTTAGCTGCCTTCAGTATGTCAGAA 858  
 ; GENERAL INFORMATION  
 ; APPLICANT: Kobayashi, Yuko Qy 720 GAGGACAATC 730  
 ; APPLICANT: Tsuji, Hiroyuki Db 859 GAAGGCAAACC 869  
 ; APPLICANT: Kamada, Masatumi  
 ; APPLICANT: Sawamura, Tatsuya  
 ; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND  
 ; TITLE OF INVENTION: PHARMACEUTICAL USES THEREOF

Search completed: December 19, 2003, 00:36:06  
 Job time : 305 secs

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; FILE REFERENCE: SHIM-017  
 ; CURRENT APPLICATION NUMBER: US/10/220,511  
 ; CURRENT FILING DATE: 2002-12-06  
 ; PRIORITY NUMBER: JP P2000-57745  
 ; PRIORITY FILING DATE: 2000-03-02  
 ; PRIORITY APPLICATION NUMBER: JP P2000-333116  
 ; PRIORITY FILING DATE: 2000-10-31  
 ; PRIORITY APPLICATION NUMBER: PCT/JP01/01636  
 ; PRIORITY FILING DATE: 2001-03-02  
 ; NUMBER OF SEQ ID NOS: 15  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; SEQ ID NO: 1  
 ; LENGTH: 2468  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: 5' UTR  
 ; LOCATION: (1)..(61)  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (62)..(883)  
 ; FEATURE:  
 ; NAME/KEY: 3' UTR  
 ; LOCATION: (884)..(2468)  
 US-10-220-511-1

Query Match Similarity 40.1%; Score 298.2; DB 13; Length 2468;  
 Best Local Similarity 72.6%; Pred. No. 6.9e-87; Indels 3; Gaps 1;  
 Matches 400; Conservative 0; Mismatches 148; InDelS 3; Gaps 1;

Qy 183 AGCCCTGCCAGAGGTGCAACTCTTACAGGACTCCAGAGAACCTCAAGGAACAT 242  
 Db 319 AGCCGGCAACAGGAGAAGCTTACAGGACTCAGAAACAACTCAAGGAATCAT 378

Qy 243 AGACACCTCACCTTGAGCTGAACGAGAAATCCAAAGCAGGAGCTCTACAGAA 302  
 Db 379 AGAACCCCTGCTGGAGCTGAATGAGAAATGAGCAATGACCTACACCA 438

Qy 303 GAATCGAACCTCCAAGAGCCCTGAAAGAGCTGAAACATTTCAGTCCTGTCCACA 362  
 Db 439 GAATCTGAATCTCCAGAAACACTGAAGAGTAGCAATGTCAGCTCCTGTCCGA 498

Qy 363 AGACTGGCTCTGGATAAGAAACTGTTACCTT -- CCATGGCCCTTGGCTGGGA 419  
 Db 499 AGACTGAATCTGGATGGAAAACCTGTAACCTTTCCTCGGCATTTACTGGGA 558

Qy 559 AAAGGCAAGAGAAGTGCCTTGTGATGCCAAGTAAATAGCAGCAGC 618  
 Db 559 TAATCTGAATTCTCTTACAGGAAATTCCTACACACTCCCAATCTGGATTGGATT 539

Qy 619 TGATCTGAATCTCTTACAGGAAACCTGGCTGGCAAGTGGAAACTCTTGAATTCTGGATGGGCT 678

Qy 540 GCATGGAGAAGGCTGGCAACCTGGCTGGCAAGTGGAAACTCTTGAATTCTGGATGGGCT 599  
 Db 679 GTCGGAGAACCCAGTCACTCAGCAAGCAATTCTCAGTTTCATCTGGATGGGCT 738

GenCore version 5.1.6  
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OM protein - Protein search, using sw model  
Run on: December 18, 2003, 14:48:42 ; Search time 21 Seconds  
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497.656 Million cell updates/sec

Title: US-09-898-554-14  
Perfect score: 1319  
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Scoring table: BLOSUM62  
Gapext 0.5  
Scored: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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3: /cgn2\_6/ptodata/1/iaa/6A\_COMBO.pep:  
4: /cgn2\_6/ptodata/1/iaa/6B\_COMBO.pep:  
5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMBO.pep:  
6: /cgn2\_6/ptodata/1/iaa/backFiles1.pep:  
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Pred.: No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	637	48.3	273	2 US-09-055-095-3	Sequence 3, Appli
2	637	48.3	273	2 US-08-809-494A-6	Sequence 6, Appli
3	637	48.3	273	3 US-09-352-302-6	Sequence 7, Appli
4	596	45.2	270	2 US-09-055-095-4	Sequence 4, Appli
5	596	45.2	270	2 US-08-809-494A-2	Sequence 2, Appli
6	596	45.2	270	3 US-09-352-302-2	Sequence 4, Appli
7	594.5	45.1	273	2 US-08-809-494A-4	Sequence 4, Appli
8	594.5	45.1	273	3 US-09-352-302-4	Sequence 2, Appli
9	251	19.0	201	2 US-08-688-342-1	Sequence 1, Appli
10	251	19.0	201	2 US-09-113-788-1	Sequence 1, Appli
11	231.5	17.6	180	3 US-08-772-440-31	Sequence 31, Appli
12	231	17.5	176	3 US-08-772-440-8	Sequence 8, Appli
13	231	17.5	244	3 US-08-772-440-2	Sequence 2, Appli
14	223	16.9	404	4 US-09-517-605-2	Sequence 2, Appli
15	221	16.8	280	4 US-09-996-243-319	Sequence 1, Appli
16	221	16.8	284	2 US-09-055-095-1	Sequence 1, Appli
17	214	16.2	199	3 US-08-772-440-13	Sequence 13, Appli
18	207	15.7	270	3 US-08-772-440-10	Sequence 10, Appli
19	189.5	14.4	122	3 US-08-722-122A-9	Sequence 9, Appli
20	189.5	14.4	122	5 PCT-US95-04238-9	Sequence 9, Appli
21	186	14.1	248	4 US-19-482-273-126	Sequence 126, Appli
22	186	14.1	272	1 US-08-690-095-1	Sequence 1, Appli
23	186	14.1	272	3 US-09-113-789-1	Sequence 1, Appli
24	186	14.1	287	1 US-08-361-1031-4	Sequence 4, Appli
25	186	14.1	300	1 US-08-365-103B-6	Sequence 6, Appli
26	186	14.1	327	1 US-08-365-103B-2	Sequence 2, Appli
27	179	13.6	229	4 US-09-247-155-97	Sequence 97, Appli

#### ALIGNMENTS

RESULT 1  
US-09-055-095-3  
; Sequence 3, Application US/09055095  
; Patent No. 5454308  
; GENERAL INFORMATION:  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Patterson, Chandra  
; APPLICANT: Corley, Neri C.  
; APPLICANT: Sather, Susan  
; TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Dr.  
; CITY: Palo Alto  
; STATE: CA  
; ZIP: 94304  
; COUNTRY: USA  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FASTSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/055, 095  
; FILING DATE: Filed Herewith  
; CLASSIFICATION:  
; PRIORITY APPLICATION DATA:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36, 749  
; INFORMATION FOR SEQ ID NO: 3:  
; REFERENCE/DOCKET NUMBER: PF-0500 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-855-0555  
; TELEFAX: 650-845-4166  
; IMEDIATE SOURCE: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 273 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 1902384  
; US-09-055-095-3  
; Query Match Score 637; DB 2;  
; Best Local Similarity 48.3%; Pred. No. 2.4e-49;  
; Length 273;

Matches 134; Conservative 35; Mismatches 69; Indels 36; Gaps 6;

Qy 1 MTFDD-KMKPANDEPQKSCERKPKBESQRELK-----GKIDTI-- 38  
 1 MTFDD-KMKPANDEPQKSCERKPKBESQRELK-----GKIDTI-- 38  
 Db 1 MTFDDKLKIQTVKDQDDEKSNGKKAK - GLOFLYSPWICLAATLGVCLGLVVTIMV 55  
 Qy 39 ----TRKLDEKSKEOBELLQMIQ---EAQRAANSSEESORELKKGIDTLTLKNE 90  
 Qy 56 LGMQLSQVSQSLTQEQANLTHQKKLGQISARQAEASQENSENLKEMIETLARKNE 115  
 Db 56 LGMQLSQVSQSLTQEQANLTHQKKLGQISARQAEASQENSENLKEMIETLARKNE 115  
 Qy 91 KSKEOBELLQKRNQLOEALQRANFSGPCKPCDQWLWHKENCYLQ-HGPFGWEKNRQTCQL 149  
 Db 116 KSKEOBELLQKRNQLOEALQRANFSGPCKPCDQWLWHKENCYLQ-HGPFGWEKNRQTCQL 175  
 Qy 150 GGQLQINGADDLTFLQIAISHTTSPENIGLHRKKGOPWLNFOFPKTREGVSL 209  
 Qy 150 GGQLQINGADDLTFLQIAISHTTSPENIGLHRKKGOPWLNFOFPKTREGVSL 209  
 Db 176 DAKLJLKINSTADLDFQQLSYSSPPWMGISSRNPSPMNLWEDGSPLMPHLFRVRGAVS 235  
 Qy 210 QLYSSNNCATYLDGAVFAENCLIAFSICOKKTN 243  
 Db 236 QTYPSGTCTATQRGAVYAENCLIAFSICOKKTN 269

## RESULT 2

US-08-809-494A-6

; Sequence 6, Application US/0809494A.

; Patent No. 5962260

; GENERAL INFORMATION:

; APPLICANT: Sawamura, Tatsuya

; ATTORNEY: Masaki, Tomoo

; TITLE OF INVENTION: Modified Low-Density Lipoprotein

; TITLE OF INVENTION: Receptor

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: McAulay Fisher Nissen Goldberg &amp; Kiel

; STREET: 261 Madison Avenue

; CITY: New York

; STATE: NY

; COUNTRY: USA

; ZIP: 10016-2391

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/809,494A

; FILING DATE: 24-MAR-1997

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 6-321705

; FILING DATE: 30-NOV-1994

; PRIOR APPLICATION NUMBER: JP 7-214206

; APPLICATION NUMBER: JP 7-214206

; FILING DATE: 31-JUL-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Goldberg, Jules E

; REGISTRATION NUMBER: 24408

; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212 986-4090

; TELEFAX: 212 818-9479

; INFORMATION FOR SEQ ID NO: 6:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 273 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-809-494A-6

## RESULT 3

US-09-332-302-6

; Sequence 6, Application US/09352302

; Patent No. 6199337

; GENERAL INFORMATION:

; APPLICANT: Sawamura, Tatsuya

; ATTORNEY: Masaki, Tomoo

; TITLE OF INVENTION: Modified Low-Density Lipoprotein

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: McAulay Fisher Nissen Goldberg &amp; Kiel

; STREET: 261 Madison Avenue

; CITY: New York

; STATE: NY

; COUNTRY: USA

; ZIP: 10016-2391

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/352,302

; FILING DATE: 12-JUL-1999

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 6-321705

; FILING DATE: 30-NOV-1994

; PRIOR APPLICATION NUMBER: JP 7-214206

; APPLICATION NUMBER: JP 7-214206

; FILING DATE: 31-JUL-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Goldberg, Jules E

; REGISTRATION NUMBER: 24408

; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212 986-4090

; TELEFAX: 212 818-9479

; INFORMATION FOR SEQ ID NO: 6:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 273 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-09-332-302-6

Query Match 48.3%; Score 637; DB 2; Length 273;

Best Local Similarity 48.9%; Pred. No. 2.4e-49;

Matches 134; Conservative 35; Mismatches 69; Indels 36; Gaps 6;

; Sequence 6, Application US/09352302

; Patent No. 6199337

; GENERAL INFORMATION:

; APPLICANT: Sawamura, Tatsuya

; ATTORNEY: Masaki, Tomoo

; TITLE OF INVENTION: Modified Low-Density Lipoprotein

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: McAulay Fisher Nissen Goldberg &amp; Kiel

; STREET: 261 Madison Avenue

; CITY: New York

; STATE: NY

; COUNTRY: USA

; ZIP: 10016-2391

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/352,302

; FILING DATE: 12-JUL-1999

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 6-321705

; FILING DATE: 30-NOV-1994

; PRIOR APPLICATION NUMBER: JP 7-214206

; APPLICATION NUMBER: JP 7-214206

; FILING DATE: 31-JUL-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Goldberg, Jules E

; REGISTRATION NUMBER: 24408

; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212 986-4090

; TELEFAX: 212 818-9479

; INFORMATION FOR SEQ ID NO: 6:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 273 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-09-332-302-6

Query Match 48.3%; Score 637; DB 3; Length 273;

Best Local Similarity 48.9%; Pred. No. 2.4e-49;

Matches 134; Conservative 35; Mismatches 69; Indels 36; Gaps 6;



RESULT 6  
US-09-352-302-2  
Sequence 2, Application US/09352302  
i Patent No. 6197937  
GENERAL INFORMATION:  
i APPLICANT: Sawamura, Tatsuya  
i TITLE OF INVENTION: Modified Low-Density Lipoprotein  
i TITLE OF INVENTION: Receptor  
i NUMBER OF SEQUENCES: 8  
i CORRESPONDENCE ADDRESS:  
i ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
i STREET: 261 Madison Avenue  
i CITY: New York  
i STATE: NY  
i COUNTRY: USA  
i ZIP: 10016-2391  
COMPUTER READABLE FORM:  
i MEDIUM TYPE: Floppy disk  
i COMPUTER: IBM PC compatible  
i OPERATING SYSTEM: PC-DOS/MS-DOS  
i SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
i APPLICATION NUMBER: US/09/352,302  
i FILING DATE: 12-JUL-1999  
i CLASSIFICATION:  
i PRIOR APPLICATION DATA:  
i APPLICATION NUMBER: JP 6-321705  
i FILING DATE: 30-NOV-1994  
i PRIOR APPLICATION DATA:  
i APPLICATION NUMBER: JP 7-214206  
i FILING DATE: 31-JUL-1995  
i ATTORNEY/AGENT INFORMATION:  
i NAME: Goldberg, Jules E  
i REGISTRATION NUMBER: 24408  
i REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D  
TELECOMMUNICATION INFORMATION:  
i TELEPHONE: 212 986-4090  
i TELEFAX: 212 818-9479  
i INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
i LENGTH: 270 amino acids  
i TYPE: amino acid  
i TOPOLOGY: linear  
i MOLECULE TYPE: protein  
US-09-352-302-2

RESULT 7  
US-08-809-494A-4  
Sequence 4, Application US/08809494A  
i Patent No. 5962260  
GENERAL INFORMATION:  
i APPLICANT: Sawamura, Tatsuya  
i APPLICANT: Masaki, Tomoo  
i TITLE OF INVENTION: Modified Low-Density Lipoprotein  
i TITLE OF INVENTION: Receptor  
i NUMBER OF SEQUENCES: 8  
i CORRESPONDENCE ADDRESS:  
i ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
i STREET: 261 Madison Avenue  
i CITY: New York  
i STATE: NY  
i COUNTRY: USA  
i ZIP: 10016-2391  
COMPUTER READABLE FORM:  
i MEDIUM TYPE: Floppy disk  
i COMPUTER: IBM PC Comparable  
i OPERATING SYSTEM: PC-DOS/MS-DOS  
i SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
i APPLICATION NUMBER: US/08/809,494A  
i FILING DATE: 24-MAR-1997  
i CLASSIFICATION: 435  
i PRIORITY APPLICATION DATA:  
i APPLICATION NUMBER: JP 6-321705  
i FILING DATE: 30-NOV-1994  
i PRIORITY APPLICATION DATA:  
i APPLICATION NUMBER: JP 7-214206  
i FILING DATE: 31-JUL-1995  
i ATTORNEY/AGENT INFORMATION:  
i NAME: Goldberg, Jules E  
i REGISTRATION NUMBER: 24408  
i REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
TELECOMMUNICATION INFORMATION:  
i TELEPHONE: 212 818-9479  
i TELEFAX: 212 818-9479  
i INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
i LENGTH: 273 amino acids  
i TYPE: amino acid  
i TOPOLOGY: linear  
i MOLECULE TYPE: protein  
US-08-809-494A-4

Query Match 45.1%; Score 594.5; DB 2; Length 273;  
Best Local Similarity 44.2%; Pred. No. 1.5e-45;  
Matches 125; Conservative 39; Mismatches 70; Indels 49; Gaps 6;  
Query 1 MTFFDKMKPANDEPDKSGRKPK-----EESOR 29  
Db 1 MTFFDKMKPANDEPDKSGRKPK-----EE-----EE 26  
1 MTVDPP-KGMKDQDKPENGKTAKGFWSSWRWYPAATLGVCLGLLVTVILLQLSQ- 58  
Db 1 MTVDPP-KGMKDQDKPENGKTAKGFWSSWRWYPAATLGVCLGLLVTVILLQLSQ- 58  
Qy 30 ELKKGIDITRKLDEKSKEOELL--OMIQNLQEALQRAANSSEBSORELKSKIDTLIK 87  
Db 59 ----VSDLIKQQANITHQEDITLEGQIL-----AQRSERSEAQSKELEMETLALK 108  
Qy 88 LNEKSKEQEBELLQKNONIQEALQRAANSFGCPQDMLWHKENCYLF-HGPFGEWEKNRQTC 146  
Db 109 LDEKSKEQEBELLQKNONIQEALQRAANSFGCPQDMLWHKENCYLF-HGPFGEWEKNRQTC 146  
Qy 147 QSLGGOLQINGADDLTFLQIAISHTTSPENIGHLRKPGQPMLWENGPBLNFOFFKTRG 206  
Db 169 LSDAHILKINSTDELFIQMMIAHSFPFMGLSMRKPNYSWLMEDGTLPFLFRIG 228  
Qy 207 VSLQLYSSNCAYLQDGAFAENCILIASTCOKKTNHQ 246  
Db 229 AVSRMYPSGTCAYIQRGTVAENCILTAFSICQKKANLLR 268

Qy 27 SQRRLKGKIDTIRKLDEKSKEQFELL--QMIONLQEALQRAANSSEESQRELKGKIDTL 84  
 Db 60 SQ----VSDLKKQOANITHQDILEQQL----AQRRSEKSAQESQKLKEMIETL 108  
 Qy 85 TLKLINEKSKEQEBELLQKHONLQEALQRAANFSGBCPQDWLWHKENCYLF-HGPFGMWKRN 143  
 Db 109 AHKLDEKSKKLMELHRQNLLNQEVLKAEANYSGCPCQDWLWHENCYQFSSGSFWEKSQ 168  
 Qy 144 QTCQSLLGGQLLQINGADDLTFILQIAISHTSPWIGHTRKKPQQWPWNGTPLNFFK 203  
 Db 169 ENCLSLDAHLKINSTDELEFIQOMAHSSFPWNLMSMRKPWYNSWLWEDGTPLTPHLFR 228  
 Qy 204 TRGVSLQLYSSSNCAYLQDGAVFAENCILIAFSICOKTNHLO 246  
 Db 229 IQGAVERSMPGTTCAVIQRGTVFAENCILAFSICOKTNHLO 271

RESULT 8  
 US-09-352-302-4  
 ; Sequence 4, Application US/09352302  
 ; Patent No. 6197937  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sawamura, Tatsuya  
 ; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 ; TITLE OF INVENTION: Receptor  
 ; NUMBER OF SEQUENCES: 8  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: McAllay Fisher Nissen Goldberg & Kiel  
 ; STREET: 261 Madison Avenue  
 ; CITY: New York  
 ; STATE: NY  
 ; COUNTRY: USA  
 ; ZIP: 10016-2391  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/352,302  
 ; FILING DATE: 12-JUL-1999  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: JP 6-321705  
 ; FILING DATE: 30-NOV-1994  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: JP 7-214205  
 ; FILING DATE: 31-JUL-1995  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Goldberg, Jules E  
 ; REGISTRATION NUMBER: 24408  
 ; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 212 986-4090  
 ; TELEFAX: 212 818-9479  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 273 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein

Qy 27 SQRRLKGKIDTIRKLDEKSKEQFELL--QMIONLQEALQRAANSSEESQRELKGKIDTL 84  
 Db 60 SQ----VSDLKKQOANITHQDILEQQL----AQRRSEKSAQESQKLKEMIETL 108  
 Qy 85 TLKLINEKSKEQEBELLQKHONLQEALQRAANFSGBCPQDWLWHKENCYLF-HGPFGMWKRN 143  
 Db 109 AHKLDEKSKKLMELHRQNLLNQEVLKAEANYSGCPCQDWLWHENCYQFSSGSFWEKSQ 168  
 Qy 144 QTCQSLLGGQLLQINGADDLTFILQIAISHTSPWIGHTRKKPQQWPWNGTPLNFFK 203  
 Db 169 ENCLSLDAHLKINSTDELEFIQOMAHSSFPWNLMSMRKPWYNSWLWEDGTPLTPHLFR 228  
 Qy 204 TRGVSLQLYSSSNCAYLQDGAVFAENCILIAFSICOKTNHLO 246  
 Db 229 IQGAVERSMPGTTCAVIQRGTVFAENCILAFSICOKTNHLO 271

RESULT 9  
 US-08-688-342-1  
 ; Sequence 1, Application US/08688342  
 ; Patent No. 5811964  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Au-Young, Janice  
 ; APPLICANT: Cocks, Benjamin G.  
 ; APPLICANT: Goli, Surya K.  
 ; APPLICANT: Hillman, Jennifer L.  
 ; TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN  
 ; NUMBER OF SEQUENCES: 5  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEEE: Incyte Pharmaceuticals, Inc.  
 ; STREET: 3174 Porter Drive  
 ; CITY: Palo Alto  
 ; STATE: CA  
 ; COUNTRY: US  
 ; ZIP: 94304  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: DOS  
 ; SOFTWARE: FastSEQ Version 1.5  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/688,342  
 ; FILING DATE: Filed Herewith  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Billings, Lucy J.  
 ; REGISTRATION NUMBER: 36,749  
 ; REFERENCE/DOCKET NUMBER: PP-0095-1 CIP  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 415-855-0555  
 ; TELEFAX: 415-845-4166  
 ; INFORMATION FOR SEQ ID NO: 1:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 201 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 ; IMMEDIATE SOURCE:  
 ; LIBRARY: MMUR1DT01  
 ; CLONE: 515847  
 ; US-08-688-342-1

Query Match 19.0%; Score 251; DB 2; Length 201;  
 Best Local Similarity 35.2%; Mismatches 49; Indels 2; Gaps 2;  
 Matches 45;

Qy 116 SGCPQDWLWHKENCYLFPHGP-GWERNRQTCQSLGQQLQINGADDLTFIL-QALSHTT 173  
 Db 71 SSPCPPNWIVTEKSCYLFMSMSLNWDGSKRQWLGNSNLKIDSNNELGFIVKVSSQPD 130  
 Qy 174 SPFWIGLHRKKPGQPMLWENGTPLNFFKTRGVSOLYSSNCAYLQDGAVFAENCILI 233  
 Db 131 NSPWIGLSRPQTBVNPWLWEDGSTSSNLQIRTATQENPSNCVWLVHSVYDQLCSVP 190

Query Match 45.1%; Score 594.5; DB 3; Length 273;  
 Best Local Similarity 44.2%; Pred. No. 1.5e-45;  
 Matches 125; Conservative 39; Mismatches 70; Indels 49; Gaps 6;

Qy 1 MTFDDKMKPANDEPDKQSCGKPKP--EE 26  
 Db 1 MTVDPP-KGMKDQDQKPKNTAKGTGTVSSWRWYPAVTLGVLCLGLVTVILLQL 59

Qy 234 AFSICOKK 241  
Db 191 SYSICKR 198

RESULT 10  
US-09-113-788-1  
; Sequence 1, Application US/09113788  
; Patent No. 5969104  
; GENERAL INFORMATION:  
; APPLICANT: Au-Young, Janice  
; APPLICANT: Cocks, Benjamin G.  
; APPLICANT: Golli, Surya K.  
; APPLICANT: Hallman, Jennifer L.  
; TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; COMPUTER: IBM Compatible  
; MEDIUM TYPE: Diskette  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FASTSEQ Version 1.5  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/113,788  
; FILING DATE:  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: 08/688,342  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0095-1 CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEFAX: 415-845-0555  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 201 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; IMMEDIATE SOURCE:  
; LIBRARY: MMRLD101  
; CLONE: 515947

US-09-113-788-1

Query Match 19 0%; Score 251; DB 2; Length 201;  
Best Local Similarity 35.2%; Pred. No. 5.7e-15;  
Matches 45; Conservative 32; Mismatches -49; Indels 2; Gaps 2;

RESULT 12  
US-08-772-440-8  
; Sequence 8, Application US/08772440  
; Patent No. 6046158  
; GENERAL INFORMATION:  
; APPLICANT: Takashima, Akira  
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE  
; LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas

Qy 116 SGPCPODWLWKENCYLFHGP-PWEKNRQTQCGQQLQINGADDLTFIL-QAISHTT 173  
Db 71 SSPCPENWLYEKSCYLFMSLNSMDGSKRCQWQLSNLKIDSSNELLGPIVKQVSSQFD 130

Qy 174 SPFWIGLHRKKPGQPWLNTPQFFKTRGVSLQLYSSNCAYLDGAVFAENCILLI 233  
Db 131 NSFWGLSRPOTEVPMWLWGSTFSSLNFQIRTTAQENPSPNCVWHVSVTIDOLCSVP 190

Qy 234 AFSICOKK 241  
Db 191 SYSICKR 198

RESULT 11  
US-08-772-440-31

COUNTRY : USA  
 ZIP: 77210  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/772,440  
 FILING DATE: CONCURRENTLY HEREWITH  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Parker, David L.  
 REGISTRATION NUMBER: 32,165  
 REFERENCE/DOCKET NUMBER: UTXD:493  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 512/418-3000  
 TELEFAX: 512/474-7577  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 244 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 US -08-772-440-2

Query Match Score 17.5%; Score 231; DB 3; Length 244;  
 Best Local Similarity 30.9%; Pred. No. 4.5e-13;  
 Matches 50; Conservative 27; Mismatches 83; Indels 2; Gaps 2;

Qy 82 DLTTLKNEKSKEQQEELLQQNNLQEALQRRAANFGPCPODWLWHKENCYLF-HGPFGEWE 140  
 Db 82 DNFLSRNKENHKKPTESLDEKVAPSQASQTGGFSQCLPNWIMHGKSCYLFSSNSWY 141

Qy 141 KNRQTCOSLGGOLQINGADDLTFI-LQAIASHTTSPWMIGHHRKKPQOPWLMENGTPNP 199  
 Db 141 KNRQTCOSLGGOLQINGADDLTFI-LQAIASHTTSPWMIGHHRKKPQOPWLMENGTPNP 199

Qy 142 GSKRHCSQLGAHLKIDNSKEPEPIESQTSRRHNAFWGLRSRNOSEGPFWEDGSAAFFP 201  
 Db 142 GSKRHCSQLGAHLKIDNSKEPEPIESQTSRRHNAFWGLRSRNOSEGPFWEDGSAAFFP 201

Qy 200 QFFKTRGVSLQLYSSNCAYLQDGAVFAENCILIAFSICRK 241  
 Db 202 NSFOVNTVPQESLHNCVWIGHSEVYNQICNTSSYICEKE 243

Qy 200 QFFKTRGVSLQLYSSNCAYLQDGAVFAENCILIAFSICRK 241  
 Db 202 NSFOVNTVPQESLHNCVWIGHSEVYNQICNTSSYICEKE 243

RESULT 14  
 US-09-517-605-2  
 ; Sequence 2, Application US/09517605  
 ; Patent No. 6391567  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Littman, Dan R.  
 ; APPLICANT: Kwon, Douglas S.  
 ; APPLICANT: van Kooyk, Yvette  
 ; APPLICANT: Geijtenbeek, Theo  
 ; TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO  
 ; CELLS  
 ; FILE REFERENCE: 1009-1-017  
 ; CURRENT APPLICATION NUMBER: US/09/517,605  
 ; CURRENT FILING DATE: 2000-03-02  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SEQ ID NO 2  
 ; LENGTH: 404  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-517-605-2

Query Match Score 16.9%; Score 223; DB 4; Length 404;  
 Best Local Similarity 26.0%; Pred. No. 4.5e-12;  
 Matches 67; Conservative 54; Mismatches 107; Indels 30; Gaps 10;

Qy 6 KMKPANDEPDQKS ----- CGKKPKKEBSORELKKGKDITI--TRKLDEKSK 47  
 Db 129 RLKAAVGELPEKSKLQEIYQELTWLKAAVGELPEKSKMOTIYOELTRLKAAGVGLPEKSK 188

Qy 48 EQEPLLQMLQNLQRANSSESQQ--RELGKIDTLTKLNESKEQELLQNQN 105  
 Db 189 -QQEIQELTRLKAAVGELPEKSKQEIYQELT RLKAAVGELPEKSK-QOEIQELTQL 245

Qy 106 QEALQRRAANFGPCPODWLWHKENCY-LFHGPFGWEKNROTQSGQOLQINGADDLTF 164  
 Db 246 KAVERBLCH -- -PCPWBTFQGNCYFMNSQRNWDHSITACKYEAQLVVTKSABEQNF 302

Qy 165 ILQAISHTSPNIGLHRKKPGQPWLMENGTPL-NFQOFKTRGVSLQLYSSNCAYLQD 222  
 Db 303 LQLQSSRNRFTWGLSDLNQEGTWQWDGSPULLPSFKQYWNRGEPNNV-GEECDLAEFSG 361

Qy 223 GAVPACNLLIASICRK 240

RESULT 15  
 US-08-772-440-2  
 Sequence 2, Application US/08772440  
 Patent No. 6046158  
 GENERAL INFORMATION:  
 APPLICANT: Arizumi, Kiyoshi  
 APPLICANT: Takashima, Akira  
 TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Arnold, White & Durkee  
 STREET: P.O. Box 4433  
 CITY: Houston  
 STATE: Texas  
 COUNTRY: USA  
 ZIP: 77210  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/772,440  
 FILING DATE: CONCURRENTLY HEREWITH  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Parker, David L.  
 REGISTRATION NUMBER: 32,165

Db 362 NGNDKCNLAKEWICK 379

RESULT 15

US-09-996-243-319

; sequence 319, Application US/09996243

; Patent No. 6478825

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Fercara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

FILE REFERENCE: P2730PC13

CURRENT APPLICATION NUMBER: US/09/996,243

CURRENT FILING DATE: 2000-11-14

PRIOR APPLICATION NUMBER: 60/049787

PRIOR FILING DATE: 1997-06-16

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/065186

PRIOR FILING DATE: 1997-11-12

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066770

PRIOR FILING DATE: 1997-11-24

PRIOR APPLICATION NUMBER: 60/075945

PRIOR FILING DATE: 1998-02-25

PRIOR APPLICATION NUMBER: 60/078910

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/083322

PRIOR FILING DATE: 1998-04-28

PRIOR APPLICATION NUMBER: 60/084600

PRIOR FILING DATE: 1998-05-07

PRIOR APPLICATION NUMBER: 60/087106

PRIOR FILING DATE: 1998-05-28

PRIOR APPLICATION NUMBER: 60/087607

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/088021

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088025

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088026

PRIOR APPLICATION NUMBER: 60/088028

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/090252

PRIOR FILING DATE: 1998-06-22

PRIOR APPLICATION NUMBER: 60/090254

PRIOR FILING DATE: 1998-06-22

PRIOR APPLICATION NUMBER: 60/090254

PRIOR APPLICATION NUMBER: 60/088029  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088030  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088033  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088326  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088367  
 ; PRIOR FILING DATE: 1998-06-05  
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 ; PRIOR FILING DATE: 1998-06-05  
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 ; PRIOR FILING DATE: 1998-06-05  
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 ; PRIOR FILING DATE: 1998-06-05  
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 ; PRIOR FILING DATE: 1998-06-09  
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 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088738  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088742  
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 ; PRIOR FILING DATE: 1998-06-10  
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 ; PRIOR FILING DATE: 1998-06-10  
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 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088861  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088876  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/089105  
 ; PRIOR FILING DATE: 1998-06-12  
 ; PRIOR APPLICATION NUMBER: 60/089440  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089512  
 ; PRIOR FILING DATE: 1998-06-16  
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 ; PRIOR FILING DATE: 1998-06-17  
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 ; PRIOR FILING DATE: 1998-06-17  
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 ; PRIOR FILING DATE: 1998-06-17  
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 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089653  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/090246  
 ; PRIOR FILING DATE: 1998-06-22  
 ; PRIOR APPLICATION NUMBER: 60/090252  
 ; PRIOR FILING DATE: 1998-06-22  
 ; PRIOR APPLICATION NUMBER: 60/090254

Prior filing date: 1998-06-22  
; Prior application number: 60/090349  
; Prior filing date: 1998-06-23  
; Prior application number: 60/090355  
; Prior filing date: 1998-06-23  
; Prior application number: 60/090429  
; Prior filing date: 1998-06-24  
; Prior application number: 60/090431  
; Prior filing date: 1998-06-24  
; Prior application number: 60/090435  
; Prior filing date: 1998-06-24  
; Prior application number: 60/090444  
; Prior filing date: 1998-06-24  
; Prior application number: 60/090445  
; Prior filing date: 1998-06-24  
; Prior application number: 60/090472  
; Prior filing date: 1998-06-24  
; Prior application number: 60/090535  
; Prior filing date: 1998-06-24  
; Prior application number: 60/090540  
; Prior filing date: 1998-06-24  
; Prior application number: 60/090542  
; Prior filing date: 1998-06-24  
; Prior application number: 60/090557  
; Prior filing date: 1998-06-24  
; Prior application number: 60/090676  
; Prior filing date: 1998-06-25  
; Prior application number: 60/090678  
; Prior filing date: 1998-06-25  
; Prior application number: 60/090690  
; Prior filing date: 1998-06-25  
; Prior application number: 60/090694  
; Prior filing date: 1998-06-25  
; Prior application number: 60/090695  
; Prior filing date: 1998-06-25  
; Prior application number: 60/090696  
; Prior filing date: 1998-06-25  
; Prior application number: 60/090862  
; Prior filing date: 1998-06-25  
; Prior application number: 60/090863  
; Prior filing date: 1998-06-26  
; Prior application number: 60/091360  
; Prior filing date: 1998-07-01  
; Prior application number: 60/091478  
; Prior filing date: 1998-07-02  
; Prior application number: 60/091544  
; Prior filing date: 1998-07-01  
; Prior application number: 60/091519  
; Prior filing date: 1998-07-02  
; Prior application number: 60/091626  
; Prior filing date: 1998-07-02  
; Prior application number: 60/091633  
; Prior filing date: 1998-07-02  
; Prior application number: 60/091978  
; Prior filing date: 1998-07-07  
; Prior application number: 60/091982  
; Prior filing date: 1998-07-07  
; Prior application number: 60/092182  
; Prior filing date: 1998-07-09

Db 206 GKAWLWMDGTPTSELFH--IIVDVTSPRSRDCVAILNGMIPSKDOCKELKRCVCERR 260

Search completed: December 18, 2003, 14:54:12  
Job time : 22 secs

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Query Match 16.8%; Score 221; DB 4; Length 280;  
Best Local Similarity 29.2%; Pred. No. 4.2e-12;  
Matches 52; Conservative 34; Mismatches 72; Indels 20; Gaps 6;

Qy 81 IDTTLKLNEKSKEQEELIQNONLOEALQRAA-----NFSG-----PCPQDWLWHK 127  
Db 86 ISQNEBERGLNTSOBLQSLQVNQNLKAGLSLQHVAKLCELYNKAGARCRCSPTEQNWKG 145

Qy 128 ENCYLFH-GPFGMKRNQTCOSUGGQLQINGADDITFIL-QAISHTTSPPNIGLHRKKP 185  
Db 146 DNCXQFYNDKSKSPEDCXYFCLSSENSTMILKINQEDLEPAAQSSEFFSYWTGLLRPDS 205

Oy 186 GQPWLWNGTPLNFQFFKTRGVSQQLXSSNCAVYLDGAVAENCLIAFSICQNK 241

כטבנין נס

**RESULT 1**  
 US-09-898-554-14  
 Sequence 14, Application US/09898554  
 Publication No. US20030066673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R.  
 ; APPLICANT: WELCH, CARRIE L.  
 ; APPLICANT: LIANG, CHIEN PING  
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 1 ( ATHS1 ) AND ATHS2  
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHS2)  
 5: /cgn2\_6/\_ptodata/2/\_pubpaa/\_US071 NEW PUB.PEP.\*  
 6: /cgn2\_6/\_ptodata/2/\_pubpaa/\_PCTU5\_PUBCOMB..pep.\*  
 7: /cgn2\_6/\_ptodata/2/\_pubpaa/\_US081 NEW PUB.PEP.\*  
 8: /cgn2\_6/\_ptodata/2/\_pubpaa/\_US082 PUBCOMB..pep.\*  
 9: /cgn2\_6/\_ptodata/2/\_pubpaa/\_US091 PUBCOMB..pep.\*  
 10: /cgn2\_6/\_ptodata/2/\_pubpaa/\_US092 PUBCOMB..pep.\*  
 11: /cgn2\_6/\_ptodata/2/\_pubpaa/\_US093 PUBCOMB..pep.\*  
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 13: /cgn2\_6/\_ptodata/2/\_pubpaa/\_US0A\_PUBCOMB..pep.\*  
 14: /cgn2\_6/\_ptodata/2/\_pubpaa/\_US101 PUBCOMB..pep.\*  
 15: /cgn2\_6/\_ptodata/2/\_pubpaa/\_US10C PUBCOMB..pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES





TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)

FILE REFERENCE: 05/15/6077

CURRENT APPLICATION NUMBER: US/09/898,554

CURRENT FILING DATE: 2001-07-02

NUMBER OF SEQ ID NOS: 40

SOFTWARE: PatentIn version 3.1

SEQ ID NO: 18

LENGTH: 155

TYPE: RPT

ORGANISM: Murinae gen. sp.

FEATURE:

NAME/KEY: misc feature

OTHER INFORMATION: Isoform 9

US-09-898-554-18

Query Match 61.6%; Score 812; DB 11; Length 155;

Best Local Similarity 61.9%; Pred. No. 5.7e-58;

Matches 153; Conservative 0; Mismatches 2; Indels 92; Gaps 1;

Db 1 MTFDDKXKPADEPDQSKCGKPKPESQRELKGIIDTLTQLNEKSKEQEBLLQMNQLQ 60.

Db 1 MTFDDKXKPADEPDQSKCGKPKP-----24

Oy 61 EALQRANSSESORELKGKIDTLTQLNEKSKEQEBLLQMNQLQALORAANFGCP 120

Db 25 -----28

Oy 121 QDWLWHKENCYLFGPGWEKNRQTCOSLGCQGQDQFQKTRGSQWYLOGDAVFAENCLIAISICQR 180

Db 29 QDWLWHKENCYLFGPGWEKNRQTCOSLGCQGQDQFQKTRGSQWYLOGDAVFAENCLIAISICQR 88

Oy 181 HRKKPGQFWLWNGTPNQFQKTRGSQWYLOGDAVFAENCLIAISICQR 240

Db 89 HRKKPGQFWLWNGTPNQFQKTRGSQWYLOGDAVFAENCLIAISICQR 148

Oy 241 KTNHLQI 247

Db 149 KTNHLQI 155

RESULT 9

US-10-220-511-11

Sequence 11, Application US/10220511

Publication No. US20030143226A1

GENERAL INFORMATION:

APPLICANT: Kobayashi, Yuko

APPLICANT: Tsuji, Hiroyuki

APPLICANT: Kamada, Masafumi

APPLICANT: Savamura, Tatsuya

TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND PHARMACEUTICAL USES THEREOF

FILE REFERENCE: SHIM-017

CURRENT APPLICATION NUMBER: US/10/220,511

CURRENT FILING DATE: 2002-12-06

PRIOR APPLICATION NUMBER: JP P2000-57745

PRIOR FILING DATE: 2000-03-02

PRIOR APPLICATION NUMBER: JP P2000-333116

PRIOR FILING DATE: 2000-10-31

PRIOR APPLICATION NUMBER: PCT/JPO1/01636

PRIOR FILING DATE: 2001-03-02

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO: 11

LENGTH: 278

TYPE: PRT

ORGANISM: Oryctolagus cuniculus

US-10-220-511-11

Query Match 48.7%; Score 643; DB 12; Length 278;

Best Local Similarity 49.3%; Pred. No. 4.0e-44;

Matches 135; Conservative 39; Mismatches 70; Indels 30; Gaps 6;

Oy 1 MTFDD-KKPKPANDEPDQSKCGKPKPESQRELKGIIDTLTQLNEKSKEQEBLLQMNQLQ 93

Db 5 MAVDDLKVKPMKDOPDKSGNGKPK-GLRFESSPPWNCPAAYAVGVLCGSLMTIIMLMG 62

Oy 41 ---KLDEKSKEQEBLLQMNQLQ---ALQRANSSESORELKGKIDTLTQLNEKSKEQEBLLQMNQLQ 93

Db 63 QLQVSDLILKQQQANLTIQENILQGVLAAQQEAEASQRELKEMIELTAKRLDESK 122

Oy 94 EQBELLQMNQLQALORAANFGCPQDMLWHKENCYLF-HGPFGWEKNRQTCOSLQGQ 152

Db 123 KQMLNLHOTLNQBLKMDNFSGCPEDWLWKGKNCYLFSQCLSDAQ 182

Oy 153 LLQINGADDLTFIQLAISHTTSPEWIGLHRKKPGQDMLINFOFFTRGVSLSQY 212

Db 183 LUKINSTEDLGFIQCATSHSSPFWMGLSRRKPDYSMLWEDGSPPLMPHLFRFGAVSRY 242

Oy 213 SSSNCAYIQLQDGAVFAENCLIAISICQKKTNHHQ 246

Db 243 PSGTCAYIQKGNVFAENCLIAISICQKKTNHHQ 276

RESULT 10

US-10-220-511-13

Sequence 13, Application US/10220511

Publication No. US20030143226A1

GENERAL INFORMATION:

APPLICANT: Kobayashi, Yuko

APPLICANT: Tsuji, Hiroyuki

APPLICANT: Kamada, Masafumi  
; APPLICANT: Sawamura, Tatsuya  
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND PHARMACEUTICAL USES THEREOF

CURRENT APPLICATION NUMBER: US/10/220,511  
CURRENT FILING DATE: 2002-12-06  
PRIORITY NUMBER: JP P2000-57745  
PRIORITY FILING DATE: 2000-03-02  
PRIORITY APPLICATION NUMBER: JP P2000-333116  
PRIORITY FILING DATE: 2000-10-31  
PRIORITY APPLICATION NUMBER: PCT/JP01/01636  
PRIORITY FILING DATE: 2001-03-02  
NUMBER OF SEQ ID NOS: 15  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO: 13  
LENGTH: 274  
TYPE: PRT  
ORGANISM: Sus scrofa  
US-10-220-511-13

Query Match 48.4%; Score 639; DB 12; Length 274;  
Best Local Similarity 47.3%; Pred. No. 1e-43; Indels 36; Gaps 5;  
Matches 131; Conservative 37; Mismatches 73; Indels 36; Gaps 5;

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1 MTFFDD-KKQKPANDEPDQSKCGKKPKKEKESORELK----- 32
Db 1 MTLLDKNSMSMKQDPEKESNG--DKAEGRSLSLRLRPAALLGLLGIVTVILLI 58
Qy 33 --GKIDTITRKLDKSKREOBELLMQNIQEAQLQRAANSSEEQRELGKIDDLTLKLINE 90
Db 59 QLSQVSDLKLQQVKYKLTHQEDIL--EGOALAQRQAEKSSQESORELTEMIELAHLKDE 115
Qy 91 KSGEQEELQIQLQNNQLEAQALQRAAFNSGSPQDQWVWHKENCYLIF-HGPFWGEKRNROTCOSL 149
Db 116 KSKRKLMLQCNQNLQRALEKAANFSGPPQDQWVWHHEENCYKESSGPPSWEGRCNCSL 175
Qy 150 GGQLLQINGADDLTFLQIAISHTTSPEWTGHLRKKGKQGPWLNQFPFKTRGVSL 209
Db 176 DAQLIKINSTDDLEFIQOQTAHSSFPWGLSLRKPNNSWLDGTPLMPHFLRQGAAS 235
Qy 210 QLYSSSNCAYLQDAVAENCLIAFSICQKTNHLQ 246
Db 236 QMPSGTCAYTHRGIVFAENCLINASICQKRANLIR 272

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RESULT 11  
US-09-796-858-47  
Sequence 47, Application US/09796858  
; GENERAL INFORMATION:  
; APPLICANT: Holtmann, Douglas  
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER USES  
; FILE REFERENCE: 7853-226-999  
; CURRENT APPLICATION NUMBER: US/09/796,858  
; CURRENT FILING DATE: 2001-03-01  
; PRIOR APPLICATION NUMBER: 09/223,094  
; PRIOR FILING DATE: 1998-12-30  
; PRIOR APPLICATION NUMBER: 09/223,546  
; PRIOR FILING DATE: 1998-12-30  
; PRIOR APPLICATION NUMBER: 09/224,246  
; PRIOR FILING DATE: 1998-12-30  
; PRIOR APPLICATION NUMBER: 09/312,359  
; PRIOR FILING DATE: 1999-05-14  
; PRIOR APPLICATION NUMBER: 09/336,536  
; PRIOR FILING DATE: 1999-06-18  
; PRIOR APPLICATION NUMBER: 09/342,687  
; PRIOR FILING DATE: 1999-06-29  
; PRIOR APPLICATION NUMBER: 09/399,723  
; PRIOR FILING DATE: 1999-09-20  
; PRIOR APPLICATION NUMBER: 09/471,179  
; PRIOR FILING DATE: 1999-12-23

PRIOR APPLICATION NUMBER: 09/474,071  
; PRIOR FILING DATE: 1999-12-29  
; PRIOR APPLICATION NUMBER: 09/474,072  
; PRIOR FILING DATE: 1999-12-29  
; PRIOR APPLICATION NUMBER: 09/572,002  
; PRIOR FILING DATE: 2000-05-14  
; PRIOR APPLICATION NUMBER: 09/597,993  
; PRIOR FILING DATE: 2000-06-12  
; PRIOR APPLICATION NUMBER: 09/599,596  
; PRIOR FILING DATE: 2000-06-22  
; PRIOR APPLICATION NUMBER: 09/606,565  
; PRIOR FILING DATE: 2000-06-29  
; PRIOR APPLICATION NUMBER: 09/365,164  
; PRIOR FILING DATE: 1999-07-30  
; PRIOR APPLICATION NUMBER: 09/630,334  
; PRIOR FILING DATE: 2000-07-31  
; PRIOR APPLICATION NUMBER: 09/665,666  
; PRIOR FILING DATE: 2000-09-20  
; NUMBER OF SEQ ID NOS: 50  
; SEQ ID NO: 47  
; LENGTH: 273  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-796-858-47

Query Match 48.3%; Score 637; DB 9; Length 273;  
Best Local Similarity 48.9%; Pred. No. 1.e-43; Mismatches 35; Indels 36; Gaps 6;  
Matches 134; Conservative 35; Mismatches 69; Indels 36; Gaps 6;

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1 MTFFDD-KKQKPANDEPDQSKCGKKPKKEKESORELK----- 32
Qy 1 MTFFDD-KKQKPANDEPDQSKCGKKPKKEKESORELK----- 38
Db 1 MTFFDD-KKQKPANDEPDQSKCGKKPKKEKESORELK----- 55
Qy 39 ---TKLDEKSKEOBELLQNLQDQEANLTHQKKELEGQIARQQAEEQSNEELKEMETLARKINE 90
Db 56 LGMQLQSVSDLILQEANLTHQKKELEGQIARQQAEEQSNEELKEMETLARKINE 115
Qy 91 KSKEQEBELQKNNQLEAQALQAAFNFGSPCPQDWWHFKENCYLF-HGPFWGEKRNROTCOSL 149
Db 116 KSDEQMLHHQNLNOETLKVANCSAPCPDWVWHGENCYLFSSGSFVNWEKSQERCLSL 175
Qy 150 GSQQLLQINGADDLTFLQIAISHTTSPEWTGHLRKKGQGPWLNQFPFKTRGVSL 209
Db 176 DAKLKININSTADLFIQOQTSYSSEFWMGLSRNRNSYPWLWEDGSPLMPHLFRVRCAVS 235
Qy 210 QYSSSSNCAYLQDAVAENCLIAFSICQKTN 243
Db 236 QMPSGTCAYTHRGIVFAENCLINASICQKRANLIR 272

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RESULT 12  
US-10-120-511-2  
Sequence 2, Application US/10220511  
; Publication No. US20030143226A1  
; GENERAL INFORMATION:  
; APPLICANT: Kobayashi, Yuko  
; APPLICANT: Teiji, Hirayuki  
; APPLICANT: Kamada, Masafumi  
; APPLICANT: Sawamura, Tatsuya  
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND PHARMACEUTICAL USES THEREOF  
; FILE REFERENCE: SHIM-017  
; CURRENT APPLICATION NUMBER: US/10/220,511  
; CURRENT FILING DATE: 2002-12-06  
; PRIOR APPLICATION NUMBER: JP P2000-57745  
; PRIOR FILING DATE: 2000-03-02  
; PRIOR APPLICATION NUMBER: JP P2000-333116  
; PRIOR FILING DATE: 2000-10-31  
; PRIOR APPLICATION NUMBER: PCT/JP01/01636  
; PRIOR FILING DATE: 2001-03-02  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO: 2

LENGTH: 273  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-220-511-2

Query Match 48.3%; Score 637; DB 12; Length 273;  
Best Local Similarity 48.9%; Pred. No. 1.4e-43;  
Matches 134; Conservative 35; Mismatches 69; Indels 36; Gaps 6;

1 MTFDD-KMKPANDEPDQSKCCKPKBESQRELK-----GKIDT1-- 38  
1 MTFDDLK1QTYVKDQFDEKSNGKKAK---GLOFLYSPWVCLAAATLGVICLGLVVTIMV 55

QY RESULT 14  
56 LGMQLSQUVSQDSLITQEAQNLTTHQKKGLEQTSARQAEASQESENELKEMETLARKNE 115  
Db ; Sequence 24, Application US/0989554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALLI, ALAN R.  
; APPLICANT: WELCH, CARRIE L.  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
SEQ ID NO 24  
; LENGTH: 165  
; TYPE: PRT  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: Isoform 3  
US-09-898-554-24

Query Match 29.6%; Score 390; DB 11; Length 165;  
Best Local Similarity 52.1%; Pred. No. 6.3e-24;  
Matches 86; Conservative 6; Mismatches 3; Indels 70; Gaps 1;

QY 1 MTFDDKMKPANDEPDQSKCCKPK-----EESORELKKGIDTITRKUDIBSKKEQ 50  
Db 1 MTFDDKMKPANDEDQSKCCKPK-----EESORELKKGIDTITRKUDIBSKKEQ 120

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QY 61 QVSDFLKKOYQANLTQQDRILEGOMLAQQAENSTSQSKEKLGHLSSPPWWPAAMTLVILCLVLISVTLLIVQWTOLR 60  
Db ; Sequence 48, Application US/1014893  
; Publication No. US20020193567A1  
; GENERAL INFORMATION:  
; APPLICANT: Kobayashi, Yuko  
; APPLICANT: Tsuji, Hiroyuki  
; APPLICANT: Kamada, Masafumi  
; APPLICANT: Sawamura, Tatsuya  
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND PHARMACEUTICAL USES THEREOF  
; FILE REFERENCE: SHIM-017  
; CURRENT APPLICATION NUMBER: US/10/220,511  
; CURRENT FILING DATE: 2000-12-06  
; PRIOR APPLICATION NUMBER: JP P2000-57745  
; PRIOR FILING DATE: 2000-03-02  
; PRIOR APPLICATION NUMBER: JP P2000-333116  
; PRIOR FILING DATE: 2000-10-31  
; PRIOR APPLICATION NUMBER: PCT/JP01/01636  
; PRIOR FILING DATE: 2001-03-02  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 270  
; TYPE: PRT  
; ORGANISM: Bos taurus  
US-10-220-511-4

RESULT 13.  
1 Sequence 4, Application US/10220511  
1 Publication No. US20030143226A1  
; GENERAL INFORMATION:  
; APPLICANT: Kobayashi, Yuko  
; APPLICANT: Tsuji, Hiroyuki  
; APPLICANT: Kamada, Masafumi  
; APPLICANT: Sawamura, Tatsuya  
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND PHARMACEUTICAL USES THEREOF  
; FILE REFERENCE: SHIM-017  
; CURRENT APPLICATION NUMBER: US/10/220,511  
; CURRENT FILING DATE: 2000-12-06  
; PRIOR APPLICATION NUMBER: JP P2000-57745  
; PRIOR FILING DATE: 2000-03-02  
; PRIOR APPLICATION NUMBER: JP P2000-333116  
; PRIOR FILING DATE: 2000-10-31  
; PRIOR APPLICATION NUMBER: PCT/JP01/01636  
; PRIOR FILING DATE: 2001-03-02  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 270  
; TYPE: PRT  
; ORGANISM: Bos taurus  
US-10-220-511-4

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; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALLI, ALAN R.  
; APPLICANT: WELCH, CARRIE L.  
; APPLICANT: LIANG, CHIEN-PING  
; APPLICANT: Jacobs, Kenneth  
; APPLICANT: McCoy, John M.  
; APPLICANT: Lavallie, Edward R.  
; APPLICANT: Collins-Racie, Lisa A.  
; APPLICANT: Evans, Cheryl  
; APPLICANT: Merrig, David  
; APPLICANT: Tracy, Maurice  
; APPLICANT: Bowman, Michael R.  
; APPLICANT: Spaulding, Vicki  
; APPLICANT: Carlin-Buckett, McKeough  
; APPLICANT: Keleher, Kerry S.  
; APPLICANT: Genetics Institute, Inc.  
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM  
; FILE REFERENCE: GI 6000-10A  
; CURRENT APPLICATION NUMBER: US/10/114,893  
; CURRENT FILING DATE: 2000-04-02  
; EARLIER APPLICATION NUMBER: 09/413,232

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Db 109 LDEKSKCKLMLHQNQNLQEVTKEARANYSGCPQDWLWHENCYQFSQGSFNWEKSQENC 168

; EARLIER FILING DATE: 1999-10-06  
 ; NUMBER OF SEQ ID NOS: 321  
 ; SOFTWARE: PatentIn Ver. 2.0  
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 ; LENGTH: 189  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-10-114-893-48

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Query Match 27.5%; Score 363; DB 14; Length 189;  
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Search completed: December 18, 2003, 14:58:39  
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GenCore version 5.1.6  
 Copyright (c) 1993 - 2003 Compugen Ltd.  
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 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.  
 SUMMARIES  
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result No.	Query	Match	Length	DB ID	Description
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2	637	48	3	1318	Sequence 5, Appli
3	596	45	2	1897	Sequence 1, Appli
4	596	45	2	1897	Sequence 1, Appli
5	594.5	45.1	1	1906	Sequence 3, Appli
6	594.5	45.1	1	1906	Sequence 3, Appli
7	251	19	0	990	Sequence 2, Appli
8	251	19	0	990	Sequence 2, Appli
9	251	19	0	990	Sequence 804, Appli
10	231	17	5	2528	Sequence 7, Appli
11	231	17	5	2298	Sequence 1, Appli
12	223	16	9	1212	Sequence 9, Appli

 ALIGNMENTS  
 RESULT 1  
 US-08-809-494A-5  
 Sequence 5, Application US/08809494A  
 Patent No. 5962260  
 GENERATOR INFORMATION:  
 APPLICANT: Sawamura, Tatsuya  
 APPLICANT: Masaki, Tomoo  
 TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 TITLE OF INVENTION: Receptor  
 NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: McAlay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue  
 CITY: New York  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/809,494A  
 FILING DATE: 24 MAR 1997  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Julie E  
 REGISTRATION NUMBER: 24408  
 REFERENCE/DOCKET NUMBER: JG-YT-4363 PCT

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4950  
 FAX: 212 818-9479  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1318 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Homo Sapiens  
 TISSUE TYPE: Lung, placenta  
 IMMEDIATE SOURCE:  
 LIBRARY: Human lung cDNA  
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 FEATURE:  
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 LOCATION: 66..125  
 FEATURE:  
 NAME/KEY: 3' UTR  
 LOCATION: 949..1309  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 127..948  
 US-08-809-494A-5

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 Pred. No.: 1.08e-65 Length: 1318  
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Qy 33 -----GlyLysIleAspThrIle----- 38

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 Matches: 125  
 Number of Sequences: 8  
 Correlation Similarity: 58.57% Title of Invention: Modified Low-Density Lipoprotein  
 Local Similarity: 44.64% Title of Invention: Receptor  
 Best Local Match: 45.19% Correspondence Address:  
 Very Match: 2 Address: McAllay Fisher Nissen Goldberg & Kiel  
 B: Gaps: 6 Street: 261 Madison Avenue  
 S-09-898-554-14 (1-247) x US-08-809-494A-1 (1-1897) City: New York  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY DISK  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/352,302  
 FILING DATE: 12-JUL-1999  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Jules E.  
 REGISTRATION NUMBER: 24408  
 REFERENCE DOCKET NUMBER: JG-YY-4363PCT/D  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 966-4030  
 TELEFAX: 212 818-9479  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1897 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULAR TYPE: CDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE: Organism: Bos taurus  
 TISSUE TYPE: Vascular endothelial cells  
 IMMEDIATE SOURCE: Library: Bovine aortic endothelial cell cDNA  
 CLONE: pbLOX-1  
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 OTHER INFORMATION: /function= "PolyA Signal"  
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NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue  
 CITY: New York  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
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 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/809,494A  
 FILING DATE: 24-MAR-1997  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Julie E.  
 REGISTRATION NUMBER: 24408  
 REFERENCE/DOCKET NUMBER: JG-XY-4363 PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4090  
 TELEFAX: 212 818-9179  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1906 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Bos taurus  
 TISSUE TYPE: vascular endothelial cells  
 IMMEDIATE SOURCE:  
 LIBRARY: Bovine aortic endothelial cells CDNA  
 CLONE: pBLOX-1  
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 Percent Similarity: 44.17%  
 Best Local Similarity: 45.07%  
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 DB: 49  
 Gaps: 6  
 RESULT 5  
 US-08-809-494A-3  
 Sequence 3, Application US/08809494A  
 Patent No. 5962260  
 GENERAL INFORMATION:  
 APPLICANT: Samamura, Tatsuya  
 APPLICANT: Nasaki, Tomoo  
 TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 TYPE OF INVENTION: Peptide  
 NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue  
 CITY: New York  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
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 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Julie E.  
 REGISTRATION NUMBER: 24408  
 REFERENCE/DOCKET NUMBER: JG-XY-4363 PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4090  
 TELEFAX: 212 818-9179  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1906 base pairs  
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 HYPOTHETICAL: NO  
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 ORIGINAL SOURCE:  
 ORGANISM: Bos taurus  
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 LIBRARY: Bovine aortic endothelial cells CDNA  
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 US-08-809-494A-3  
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 Patent No. 5962260  
 GENERAL INFORMATION:  
 APPLICANT: Samamura, Tatsuya  
 APPLICANT: Nasaki, Tomoo  
 TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 TYPE OF INVENTION: Peptide  
 NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue  
 CITY: New York  
 STATE: NY  
 COUNTRY: USA  
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 FILING DATE: 30-NOV-1994  
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 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Julie E.  
 REGISTRATION NUMBER: 24408  
 REFERENCE/DOCKET NUMBER: JG-XY-4363 PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4090  
 TELEFAX: 212 818-9179  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1906 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
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 ORGANISM: Bos taurus  
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 US-08-809-494A-3  
 Alignment Scores:  
 Pred. No.: 2.04e-60  
 Score: 594.50  
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 Matches: 57.95%  
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 Best Local Similarity: 45.07%  
 Query Match: 2  
 DB: 49  
 Gaps: 6  
 RESULT 5  
 US-08-809-494A-3  
 Sequence 3, Application US/08809494A  
 Patent No. 5962260  
 GENERAL INFORMATION:  
 APPLICANT: Samamura, Tatsuya  
 APPLICANT: Nasaki, Tomoo  
 TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 TYPE OF INVENTION: Peptide  
 NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue  
 CITY: New York  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/809,494A  
 FILING DATE: 24-MAR-1997  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Julie E.  
 REGISTRATION NUMBER: 24408  
 REFERENCE/DOCKET NUMBER: JG-XY-4363 PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4090  
 TELEFAX: 212 818-9179  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1906 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Bos taurus  
 TISSUE TYPE: vascular endothelial cells  
 IMMEDIATE SOURCE:  
 LIBRARY: Bovine aortic endothelial cells CDNA  
 CLONE: pBLOX-1  
 FEATURE:  
 NAME/KEY: polyA\_site  
 LOCATION: 1889..1906  
 FEATURE:  
 NAME/KEY: 5'UTR  
 LOCATION: 1..34  
 FEATURE:  
 NAME/KEY: misc\_RNA  
 LOCATION: 1864..1873  
 OTHER INFORMATION: /function= "PolyA Signal"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 35..856  
 US-08-809-494A-3  
 Alignment Scores:  
 Pred. No.: 2.04e-60  
 Score: 594.50  
 Length: 122  
 Matches: 57.95%  
 Percent Similarity: 44.17%  
 Best Local Similarity: 45.07%  
 Query Match: 2  
 DB: 49  
 Gaps: 6

CITY: New York  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY DISK  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/352,302  
 FILING DATE: 12-JUL-1999  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Jules E.  
 REGISTRATION NUMBER: 24408  
 REFERENCE/DOCKET NUMBER: JG-Y-4363 PCT/D  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-1090  
 TELEFAX: 212 818-9479  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1906 base pairs  
 STRANDEDNESS: single  
 TOPOLogy: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Bos taurus  
 TISSUE TYPE: Vascular endothelial cells  
 IMMEDIATE SOURCE:  
 LIBRARY: Bovine aortic endothelial cells CDNA  
 CLONE: pBLOX-1  
 FEATURE:  
 NAME/KEY: polyA SITE  
 LOCATION: 1889..1906  
 FEATURE:  
 NAME/KEY: misc RNA  
 LOCATION: 1864..1873  
 OTHER INFORMATION: /function= "PolyA Signal"  
 FEATURE:  
 NAME/KEY: 5' UTR  
 LOCATION: 1..34  
 FEATURE:  
 NAME/KEY: 3' UTR  
 LOCATION: 857..1906  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 35..856  
 US-09-352-302-3  
 Alignment Scores:  
 Pred. No.: 2.0e-60  
 Length: 1  
 Score: 594.50  
 Matches: 1  
 Percent Similarity: 57.95%  
 Best Local Similarity: 44.14%  
 Query Match: 45.07%  
 DB: 3  
 Gaps: 6  
 US-09-898-554-14 (1-247) x US-09-352-302-3 (1-1906)  
 Qy 1 MetThrPheAspLysMetLysProAlaAsnAspGluProLysSerCysGly 20  
 35 ATGACTGTGATGCC--ARGGTATGAAAGATCAACTTGATCAGAACCC 91  
 21 LysLysProLys--- 24  
 92 AGACAGAAAAGTACTACAGGTTGGSATTAATGGTGTATACTGTTGCAATT 211  
 25 ----- GluGlu 26 :;  
 Db 152 ACTCTAGGGTCCTGCTGGATTAATGGTGTATACTGTTGCAATT 211  
 27 SerGlnArgGluLeuLysGlyLysLeaspThrIleThrArgLysLeaspGluLysSer 46  
 212 TCCCCAGT-----GlnCtCTGATCATAAAGAACACGAAAGCAATT 253  
 47 LysGluGlnGluLeuLeu----GlnMetIleGlnAsnLeugLingGluAlaLeuGln 64  
 254 ACTCACCAAGGAAAGATACTCTGGGGACAGATTAA-----GCCAGGGC 298  
 65 ArgAlaAlaAsnSerLysGluLysSerGlnArgGluLeuLysGlyLysLeaspThrIleu 84  
 299 CGATCGAAAAATCTGCCAGGACTCACGAAACTCAAAGAATGATGAGAACCCCT 358  
 85 ThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuGluLysSerGlnLysSer 104  
 359 GCCCACAGCTGATGAGAACTGAGAAACTATGGACTTCACGCCAGAACTCGTGA 418  
 105 LeuGlnGluAlaLeuGlnArgAlaAlaAsnPhSerGlyProCysProGlnAspTProLeu 124  
 419 CTCCAAGAAGGTTCTGAAGGCGAACACTATCAGCTCTGCCCCAAAGACTGGCTC 478  
 125 TrpHisLysGluAsnCystYLeuPhe--HisGlyProPheGlyTrpGluLysSerAsnArg 143  
 479 TGGCATGAGAAAAGTAAACTGTACCAATTTCCTCTGCTCTTTAAATGGAAAAAGCCAG 538  
 144 GlnThrCysGlnSerLysGlyGlnLeuIleAsnGlyAlaAspAspLeuThr 163  
 539 GAGAACCTGCTGCTCTGTTGATGCCACTTGCTGAGATAATGAGATGAGCTGGAA 598  
 164 PheIleLeuGlnAlaIleSerHisthrSerProPheTrpIleGlyLeuHisArgLys 183  
 599 TTTCATCAGGAAATGATTGCCATTCCACTTCCCCTGGATGGGGTTGTCATGAGGG 658  
 184 LysProGlyGlnProTpleuTrpGluLysGlyThrProLeuAspPheGlnPhePheAla 203  
 659 AAACCCAAATTACTCGTGGCTTGGAAAGATGGTACTCCCTTGACGCCCACTTGTTAGA 718  
 204 ThrArgYValSerLeuGlnLeuIleIleSerSerAspCysAlaTyrIleGlnAspGly 223  
 719 ATTGGAGGAGCTGTTCCCGTAGTATCCTTCAGGACTCTGTGCTATATTCAAGGGGA 778  
 224 AlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysSlystrAsn 243  
 779 ACTGTTTGTGCTGAAACIGCAATTAACTGCATTAGATATGTCARAAGANGCGAAT 838  
 244 HisLeuGln 246  
 839 CTATTGAGA 847  
 RESULT 6  
 US-09-352-302-3  
 ; Sequence 3, Application US/09352302  
 ; NUMBER OF SEQUENCES: 8  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 ; APPLICANT: Sawamura, Tatsuya  
 ; ATTORNEY: Masaki, Tomo  
 ; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 ; TITLE OF INVENTION: Receptor  
 ; NUMBER OF SEQUENCES: 8  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel





405 AAGATAGCAGCTCAAATGAAATTGGATTATACTAACAGTGTCTCCAAACCTGAT 464  
 Db 405 GACAACCTCCPATCAAGAAATAAGGAACCAAGCCACAGAAATCATCTTAGATGAG 99  
 Qy 102 AsnGlnAsnLeuGlnGluAlaLeuGlnArgAlaLaaasnPhesGlyProCysProGln 121  
 Db 100 AAGGTGGCTCCCTCCAGGATTCGCAACTACAGGTTTCTCAGTCTGCCCTCCT 159  
 Db 122 AspTroleutRphIsGluAsnCystyLeuPhe--HisGlyPropheGlyTrpGlu 140  
 Qy 160 AATGGATCATGATGGAAAGCTGTTACCTATAGCTCTCAGAAATTCTCGTGTAT 219  
 Db 141 LysAsnArgGlnThrCysGlnSerIeuGlyGlnLeuLeuGlnLeuAsnGlyAlaAsp 160  
 Qy 220 GGAAGTAGAGACACTGCTCCAGCTAGGTCCTCATCTGAAGTAGAGAACTGAAA 279  
 Db 161 AspLeuThrPhalLe--LeuGlnAlaLeuSerIthrThrSerPropheTrpIleGly 179  
 Qy 280 GAAATTGAGTCACTGAAAGCCAAATCGTCTCACCGTTAAATGCAATTGGATAGGC 339  
 Db 180 LeuHisargLysProGlyGlnProTrpLeuTrpGluAsnGlyhrProleuAsnPhe 199  
 Db 340 CTTTCCGCAATCAGTGAAGCCATGGCTCATGGTCTGGAGGAGTGATCAGCATTCCTCCCC 399  
 Qy 200 GlnPhePhelysthrArgGlyValSerLeuGlnLeuTyrsSerSerAsnCysAlaTyr 219  
 Db 400 AACTCGTTTCAGTCAGTCAGAAATACAGTCCAGGAAGCTACTGACAATPTGTGATGG 459  
 Qy 220 LeuGlnAspGlyAlaValPhaAlaGluAsnCysIleLeuIeAlaPhesSerIleCysGln 239  
 Db 460 ATTCAATGGATCAGGGCTCTAACCAAATCTCACAGTACTCTCATACGATCTGTGAG 519  
 Qy 240 LysLys 241  
 Db 520 ARGAA 525

RESULT 11  
 US-08-772-440-7  
 Sequence 7 Application US/08772440  
 ; Patent No. 6046158  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ariizumi, Kiyoshi  
 ; APPLICANT: Takashima, Akira  
 ; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE  
 ; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES  
 ; TITLE OF INVENTION: THEREOF  
 ; NUMBER OF SEQUENCES: 42  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Arnold, White & Durkee  
 ; STREET: P.O. Box 4433  
 ; CITY: Houston  
 ; STATE: Texas  
 ; ZIP: 77210  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/772,440  
 ; FILING DATE: CONCURRENTLY HERewith  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Parker, David L.  
 ; REGISTRATION NUMBER: 32,165  
 ; REFERENCE/DOCKET NUMBER: UTXD:493  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 512/418-3000  
 ; TELEFAX: 512/474-7577  
 ; INFORMATION FOR SEQ ID NO: 7:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 528 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 US-08-772-440-7

Alignment Scores:  
 Pred. No.: 2.88e-18 Length: 528  
 Score: 231.00 Matches: 50  
 Percent Similarity: 47.53% Conservative: 27  
 Best Local Similarity: 30.86% Mismatches: 83  
 Query Match: 17.51% Indels: 2  
 DB: 3 Gaps: 2

US-09-898-554-14 (1-247) x US-08-772-440-7 (1-328)  
 Qy 82 AspThrLeuThrLeuLysLeuAsnGluLysSerLysGluGluLeuGlnLys 101  
 ||| :: :

; TOPOLOGY: linear  
 ; FEATURE: modified\_base  
 ; LOCATION: 1966  
 ; OTHER INFORMATION: /mod\_base= OTHER  
 ; OTHER INFORMATION: /note= "Y = C or T"  
 US-08-772-440-1

Alignment Scores:  
 Pred. No.: 2.79e-17 Length: 2298  
 Score: 231.00 Matches: 50  
 Percent Similarity: 47.53% Conservative: 27  
 Best Local Similarity: 30.86% Mismatches: 83  
 Query Match: 17.51% Indels: 2  
 DB: 3 Gaps: 2

US-09-898-554-14 (1-247) x US-08-772-440-1 (1-2298)  
 Qy 82 AspThrLeuThrLeuLysLeuAsnGluLysSerLysGluGlnGluGluLeuLeuLeuLysLys 101  
 Db 332 GACAACCTCCATCAGAAATAAGAACCAACCAAGAACGAACTTGTAGATGAG 391

Qy 102 AsnGlnAsnLeuGlnGluAlaLeuGlnGlnArgAlaAlaAsnPheserGlyProCysProGln 121  
 Db 392 AAGGTGCCTCCCAAGGATCCCAAACTACAGGGTTCTCACTGCTTCCTCT 451

Qy 122 AspThrLeuThrHisLysSerGlyTrpGlu--HisGlyProThrGlyTrpGlu 140  
 Db 452 ATTGGATCATGGATGAAAGCTGTACCTATTAGCTCTCAGGAATTCCCTGGTAT 511

Qy 141 LysAsnArgLysGlnThrcyGlnSerLeuGlyGlyGlnLeuLeuGlnLeuAsnGlyAlaAsp 160  
 Db 512 GGANGTAGAGCACTCTCCAGCTGAGGCTCTACTACTACTACTACTACTACTACTACT 571

Qy 161 AspLeuThrPheIle--LeuGlnAlaIleSerHisthrThrSerProPheTrpIleGly 179  
 Db 572 GAATTGAGTCATTGAAAGCCAACATCGTCACGGTATTGGATGGATGG 631

Qy 180 LeuHisArgLysLysProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPhe 199  
 Db 632 CTTTCCGCCAATCAGACTGAACGGCCATGGTCTGGAGGATGGATGGATGG 691

Qy 200 GlnPhePhePhylYThrArgGlyValSerLeuGlnLeuTrpSerSerAspCysAlaTyr 219  
 Db 692 AACTCCTTTCAAGTCAGAAATAACAGTCCCCAGAAAAGCTTACTGCAAAATGTATGG 751

Qy 220 LeuGlnAspGlyAlaValPheAlaGluAsnCysSileLeuIleAlaPheSerIleCysGln 239  
 Db 752 ATTACATGATCAGGGTCAACCAAACTGCAATACTCTCATACGATCTGTGAG 811

Qy 240 IysLys 241

Db 812 AAGGAA 817

RESULT 12  
 US-09-591-135-9  
 Sequence 9, Application US/09591435  
 Patent No. 628053  
 GENERAL INFORMATION:  
 APPLICANT: MESSIER, WALTER  
 APPLICANT: SIKELA, JAMES M  
 TITLE OF INVENTION: METHODS TO IDENTIFY POLYNUCLEOTIDE AND POLYPEPTIDE SEQUENCES WHICH MAY BE ASSOCIATED WITH PHYSIOLOGICAL CONDITIONS  
 FILE REFERENCE: GNO\_2010.2  
 CURRENT APPLICATION NUMBER: US/09/591,435  
 CURRENT FILING DATE: 2000-06-09  
 PRIOR APPLICATION NUMBER: 09/591,435  
 PRIOR FILING DATE: 2000-06-09  
 PRIOR APPLICATION NUMBER: 09/240,915  
 PRIOR FILING DATE: 1999-01-29  
 PRIOR APPLICATION NUMBER: 60/073,263  
 PRIOR FILING DATE: 1998-01-30

; PRIORITY APPLICATION NUMBER: 60/098,987  
 ; PRIORITY FILING DATE: 1998-09-02  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO: 9  
 ; LENGTH: 1212  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; US-09-591-435-9

Alignment Scores:  
 Pred. No.: 9.26e-17 Length: 1212  
 Score: 223.00 Matches: 67  
 Percent Similarity: 46.90% Conservative: 54  
 Best Local Similarity: 16.91% Mismatches: 107  
 Query Match: 16.91% Indels: 30  
 DB: 10

US-09-898-554-14 (1-247) x US-09-591-435-9 (1-1212)

Qy 6 LysMetLysProAlaAspGluProAspGlnPheSer 18  
 Db 385 CGGTGAGGCTGAGTCAGTGAGCTCAGAAATCTAACGTCAGGAGATCTACCG 444

Qy 19 CyBGLYLBYLYSLysProLysGluLysGlnArgGlu 30

Db 445 GAGGTGACCTGGCTGAGGCTGAGTGCTGACTGACTGACTGAGATCTAGATGTCAGGAG 504

Qy 31 LeuLysGlyLysIleAspThrIle-----ThrArgLysLeuAspGluLysSerLys 47

Db 505 ATCPACAGGAGTCAGTCAGGCTGAGCTCCAGAGAAATCTAG 564

Qy 48 GluGlnGluGluLeuLeuGlnMetIleGlnAsnLeuGlnAlaLeuGlnArgAlaLea 67

Db 565 --CAGCAGGAGCTACAGGAGCTACAGGAGCTACAGGCTGAGCTGAGCTGACCT 621

Qy 68 AsnSerSerGluGluSerGln---ArgGluLeuLysGlyLysIleAspThrLeuThr 85

Db 622 GAGAAATCTAACGGCAAGGAGATCTACAGGAGCTGACCCGGCTGAGCTGACCC 678

Qy 86 LeuLysLeuAsnGlyLysSerGluGlnGluGlnLeuLeuGlnLysAsnGlnAsnLeu 105

Db 679 GTGAGCTTCAGGAAATCTAG--CAGCAGGAGTCAGGAGATCTAG--CAGCAGGAGTCACGGAGCTGACCCAGCTG 735

Qy 106 GluGluAlaLeuGlnArgAlaAlaAsnPheserGlyProCysProGlnAspTrpLeutrp 125

Db 736 AACGGTGGCTGAGCTGAGCTGCTGGAAATGSGACATC 786

Qy 126 HisLysGluAsnCysTyr--LeuPheHisGlyProPheGlyTrpGluLysAsnArgGln 144

Db 787 TTCCDAGGAAACTCTTACTCTCAGTCACCTCAGGCAACTGGCAGACTCCATCAC 846

Qy 145 ThrcyGlnSerLeuGlyGlnLeuLeuAsnGlyAlaAspAspLeuThrPhe 164

Db 847 GCCTGCAAGAAGTGGGGCCCACCTGCTGTAATCAAAGTGAGGAGCAGACT 906

Qy 165 IleLeuGlnAlaLysSerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLys 184

Db 907 CTAGCTCAGCTTCCAGAAAGTAACCGCTTACCTCTGATGGGACTCTAAC 966

Qy 185 ProGlyGlnProTrpLeuTrpGluAsnGlyLysThrProLeu-----AsnPheGlnPhePhe 202

Db 967 CRGGAGGGACGCGCAATGGGTGACCTCTACCTCTGCTGCTAACACGAT 1026

Qy 203 LysThrArgGlyValserLeuGlnLeuTrpSerSerAsnAsnGlyLysSerLys 222

Db 1027 TGGACAGGGAGGCCAACAGTT---GGGGAGGAAGACGTCGCGAAATTAGTGTGGC 1083

Qy 223 GlyLavalPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysCinlys 240

Db 1084 ATGGCTGAAACGGACAAATGTAATCTTGCAAAATCTGGATCTGCAAAAG 1137

US-09-591-435-11  
; Sequence 11, Application US/09591435  
; Patent No. 6280953  
; GENERAL INFORMATION:  
; APPLICANT: MESSIER, WALTER  
; TITLE OF INVENTION: METHODS TO IDENTIFY POLYNUCLEOTIDE AND POLYPEPTIDE SEQUENCES WHICH MAY BE ASSOCIATED WITH PHYSIOLOGICAL CONDITIONS OF INVENTION: AND MEDICAL CONDITIONS  
; FILE REFERENCE: GENO\_200\_2  
; CURRENT APPLICATION NUMBER: US/09/591,435  
; CURRENT FILING DATE: 2000-06-09  
; PRIOR APPLICATION NUMBER: 09/591,435  
; PRIOR FILING DATE: 2000-06-09  
; PRIOR APPLICATION NUMBER: 09/240,915  
; PRIOR FILING DATE: 1999-01-29  
; PRIOR APPLICATION NUMBER: 60/073,263  
; PRIOR FILING DATE: 1998-01-30  
; PRIOR APPLICATION NUMBER: 60/098,987  
; PRIOR FILING DATE: 1998-09-02  
; NUMBER OF SEQ ID NOS: 13  
; SEQ ID NO: 11  
; LENGTH: 1212  
; TYPE: DNA  
; ORGANISM: Gorilla gorilla  
US-09-591-435-11

Alignment Scores:  
Pred. No.: 9.2e-17 Length: 1212  
Score: 223.00 Matches: 68  
Percent Similarity: 45.59% Conservative: 51  
Best Local Similarity: 26.05% Mismatches: 106  
Query Match: 16.91% Indels: 36  
DB: 3 Gaps: 10

US-09-898-554-14 (1-247) x US-09-591-435-11 (1-1212)  
Qy 6 LysMetLysProAlaAsnAspGluProAspGlnLysSer----- 18  
Db 385 CAGCTGAAGGCTGCATGGTGAAGCTCCAGAGATCTACAG 444  
Qy 19 ----- CySGLYSLysProLysGluUserGlnArgGlu 30  
Db 445 GAGCTGCCGGCTGAAGGCTGCAGTGGTGAGCTGGTGAAGCTCCA 504

Qy 31 LeuLysGlyLysIleAspThrIle-----ThrArgLysLeuAspGluLysSerLys 47  
Db 505 ATCPACACGGAGTCGTCAGCGCTAAGGGCTGCACTGGTGAGCTTAAG 564  
Qy 48 GluGlnGluGluLeuGlnMetIleGlnAsnLeuGlnAla 67  
Db 565 --CAGCAGGAGAATCACCGAGCTGCCAGTGAAGGTCACTTCA 621  
Qy 68 AsnSerSerGluUserGln-----ArgGluLeuLysIleAsp 82  
Db 622 GAGAAATCTAACGAGCAGGAGATCTAACAGGACTGAGCTGAAGCTGAGTGGT 681  
Qy 83 ThrIleThrIleLysLeuAsnGluLysSerLysGluGlnGluLeuGlnLysAsn 102  
Db 682 -----GAGCTTCAGAGAAATCTAACCGAGATCTACCGAGCTG 726  
Qy 103 GluAsnLeuGlnGluAlaLeuGlnArgAlaAsnPheserGlyProCysProGlnAsp 122  
Db 727 ACCCAGCTGAAGGCTGAGTGGAGCCTGCTGGCC----CGTGTGCCCTGGAA 777  
Qy 123 TripleTrpHisLysGluAsnCystY---LeuPheHisGlyProPheGlyTrpGluLys 141  
Db 778 TGGCATTCCTAACGGAAACTGTTACATGCTAACTCCAGGAAACTGGCACAC 837  
Qy 142 AsnArgGlnThrCysGlnSerLeuGlyGlyGlnLeuLeuGlnLysAsnAsp 161  
Db 838 TCCATCACGCCCTGCCAACAGTGGGCCAGTCAGTGGCTGAGCTCCA 897

Qy 162 LeuThrPheIleLeuGlnAlaIleSerHisIleThrSerProPheTerPheGlyLeuHis 181  
Db 898 CAGAACTTCCPACAGCTGAGTCAGTCACGGCTCACCTGGATGGACTTCA 957  
Qy 182 ArgLysLysProGlyGlnProTripleTerPheGluArgLysThrProLeu----Asnphe 199  
Db 958 GATCTAAATCATGAAAGCACSTGGZATGGTGAGGGCTCACCTGTGTCAGCTTC 1017  
Qy 200 GlnPhePheLysThrArgGlyValSerLeuGlnLeuTerSerSerAsnCysAlaTyR 219  
Db 1018 GAGCAGATTGCAACAGGGAGGCCAACAPACGTT---GGGGAGAAAGCTGGGAA 1074  
Qy 220 LeuGlnAspGlyAlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGln 239  
Db 1075 TTAGTGGCAATGGCTGGAAACGATGACAATGTAATCTGGATCTGCCAAA 1134  
Qy 240 Lys 240  
Db 1135 ARG 1137

RESULT 14  
US-09-517-605-1  
; Sequence 1, Application US/09517605  
; Patent No. 6391567  
; GENERAL INFORMATION:  
; APPLICANT: Littman, Dan R.  
; APPLICANT: Kwon, Douglas S.  
; APPLICANT: van Kooyk, Yvette  
; APPLICANT: Geijtenbeck, Theo  
; TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO CELLS  
; TITLE OF INVENTION: CELLS  
; FILE REFERENCE: 1049-1-017  
; CURRENT APPLICATION NUMBER: US/09/517,605  
; CURRENT FILING DATE: 2000-03-02  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 1  
; LENGTH: 1312  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (42)..(1253)  
US-09-517-605-1

Alignment Scores:  
Pred. No.: 1.04e-16 Length: 1312  
Score: 223.00 Matches: 67  
Percent Similarity: 46.90% Conservative: 54  
Best Local Similarity: 25.97% Mismatches: 107  
Query Match: 16.91% Indels: 30  
DB: 4 Gaps: 10  
US-09-898-554-14 (1-247) x US-09-517-605-1 (1-1312)  
Qy 6 LysMetLysProAlaAsnAspGluProAspGlnLysSer----- 18  
Db 426 CGCTGAGGGCTGAGTGGTGAAGCTCAGAAATCTANGCTGCCAGGAGATCTACAG 485  
Qy 19 -----CysGlyLysLysProLysGluUserGlnArgGlu 30  
Db 486 GAGCTGACCTGGCTGAAGGCTGCACTGGTGAGCTGGTCACTTCAAGAAATCTAAGTGGAG 545  
Qy 31 LeuLysGlyLysIleAspThrIle-----ThrArgLysLeuAspGluLysSerLys 47  
Db 546 ATCTACAGGAGCTGACTGGCTGAAGGCTGCACTGGTGAGCTTCAGAAATCTAAGTGGAG 605  
Qy 48 GluGlnGluGluLeuGlnMetIleGlnAsnLeuGlnAla 67  
Db 606 --CAGGAGGAGATCTACCAGGAGCTGAGCCGGCTGAACGGCTGAGCTGCCAGGAG 662  
Qy 68 AsnSerSerGluUserGln-----ArgGluLeuLysIleAsp 82

SEQUENCE CHARACTERISTICS:  
 LENGTH: 1740 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: LUNGNOT09.  
 CLONE: 1355922  
 US-09-055-095-2

Alignment Scores:  
 Pred. No.: 2.77E-16 Length: 1740  
 Score: 221.00 Matches: 52  
 Percent Similarity: 48.31% Conservative: 34  
 Best Local Similarity: 29.21% Mismatches: 72  
 Query Match: 16.76% Indels: 20  
 DB: Gaps: 6

US-09-898-554-14 (1-247) x US-09-055-095-2 (1-1740)

Qy : 81 IleAspThrLeuThrLeuLysLeuAsnGluLysSerLysGluGlnGluGluLeuLeuGln 100  
 Db : 293 ATTCTCAATGAAAGAAAGATTGAAATAACGCCAAAGAGTTGCACATCTCTCAAGTC 355

126 HisLysGluAspCystY--LeuPheHisGlyProGlyTrpGluLysBsnAgnGln 144  
 ::|||::|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||: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SU1T 15 Sequence 2, Application US/09055095  
 GENERAL INFORMATION:  
 APPLICANT: Tang, Y. Tom  
 APPLICANT: Patterson, Chandra  
 APPLICANT: Corley, Neil C.  
 APPLICANT: Sather, Susan  
 TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:  
 STREET: 31740 Porter Dr.  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94304  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASTSEQ FOR Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/055,095  
 FILING DATE: Filed Herewith  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PF-0500 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 650-845-0555  
 TELEX: 650-845-1666  
 INFORMATION FOR SEQ ID NO: 2

Search completed: December 19, 2003, 01:28:59  
 Job time : 71 secs

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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: December 19, 2003, 00:30:56 ; Search time 323 Seconds  
(without alignments)

Scoring table: 2548.156 Million cell updates/sec

Title: US-09-898-554-14

Perfect score: 1 MTFDDKMKPANDEPDKSCG.....ENCILIAFSPICQKKTNHLQI 247

Sequence: BLOSUM62

```
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0
```

Searched: 2211978 seqs, 1666101734 residues

Total number of hits satisfying chosen parameters: 4423956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Command line parameters:

```
-MODEL=frame_p2n.model -DEV=xhl
-Q-/CPN2.1 /USPTO_spol/US09898554/runat_18122003_135012_18546/app_query.fasta_1..391
-DB=published_applications.NA -QPNM=Fastap -SUFFIX=rnpb -MINMATCH=.1
-LOOPCL=0 -LOOPCEN=0 -UNITS=bits -START=1 -END=1 -MATRIX=blowsum62
-TRANS=human40_cdi -LIST=45 -DOCALIGN=200 -THR SCORE=PCT -THR MAX=100
-MINLEN=0 -ALIGN=15 -MODE=LOCAL -OUTEXT=pio -NORM=ext -HEAPSIZE=500 -MINLEN=0
-NAXLEN=0 -USRP=US09898554 @CGN_1..221 @runat_18122003_135012_18546
-NCPU=6 -ICPU=3 -NO_MMAPP=1 -LARGEQUIRV -NEG_SCORER=0 -WAIT=400 -DSPLBLCK=100
-LONGLOG -DEV TIMEOUT=120 -WARN TIMEOUT=30 -XGAPEXT=0.5 -KGAPEXT=0.5
-XGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7
```

Database : Published\_Applications.NA:\*

```
1: /cgn2_6_ptodata/2/pubpna/US09_PUBCOMB.seq:*
2: /cgn2_6_ptodata/2/pubpna/PCN_NPN_PUB.seq:*
3: /cgn2_6_ptodata/2/pubpna/US06_NEWPUB.seq:*
4: /cgn2_6_ptodata/2/pubpna/US07_PUBCOMB.seq:*
5: . /cgn2_6_ptodata/2/pubpna/US07_NEWPUB.seq:*
6: /cgn2_6_ptodata/2/pubpna/PCNT_PUBCOMB.seq:*
7: /cgn2_6_ptodata/2/pubpna/US08_NEWPUB.seq:*
8: /cgn2_6_ptodata/2/pubpna/US09_PUBCOMB.seq:*
9: /cgn2_6_ptodata/2/pubpna/US09_NEWPUB.seq:*
10: /cgn2_6_ptodata/2/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6_ptodata/2/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6_ptodata/2/pubpna/US09_NEWPUB.seq:*
13: /cgn2_6_ptodata/2/pubpna/US09_NEWPUB.seq:*
14: /cgn2_6_ptodata/2/pubpna/US10_PUBCOMB.seq:*
15: /cgn2_6_ptodata/2/pubpna/US10_PUBCOMB.seq:*
16: /cgn2_6_ptodata/2/pubpna/US60_NEWPUB.seq:*
17: /cgn2_6_ptodata/2/pubpna/US60_NEWPUB.seq:*
18: /cgn2_6_ptodata/2/pubpna/US60_PUBCOMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

Result No.	Score	Query Match	Length	DB ID	Description
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**ALIGNMENTS**

RESULT 1  
US-09-898-554-13  
; Sequence 13, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TAIL, ALAN R  
; APPLICANT: WELCH, CAREY L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHEI  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09-898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 744  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)...(744)  
; OTHER INFORMATION:  
; NAME/KEY: misc\_feature

OTHER INFORMATION: Isoform 7  
US-09-898-554-13

## Alignment Scores:

Pred. No.: 8 65e-149 Length: 744  
Score: 1319.00 Matches: 247  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 11 Gaps: 0

US-09-898-554-14 (1-247) x US-09-898-554-13 (1-744)

Qy 1 MetthrPheAspAspIysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20

Db 1 ATGACTTTGATGACAGAGATGAACCTGGATGAGAGCTGTGATCAAGTCATGGC 60

Qy 21 LysLysProLysGluGluUserClnArgGluleuLysGlyLysIleaspThrIleThrArg 40

Db 61 AAGAACCTAAAGGGTCCCAGAGAACCTAACACCATCACCGG 120

Qy 41 LysLeuAspGluLysSerLysGluGlnGluLeuLeuGlnMetIleGlnAsnLeuGln 60

Db 121 AAGCTGGAGAAATCAAAGAGCAGGAGCTCTGGAGATGTTAGACRCCCTCA 180

Qy 61 GluAlaLeuGinArgAlaAlaAsnSerSerGluGluUserGinArgGluLeuLysGlyLys 80

Db 181 GAGGCCCTGCAAGGGTCAAACCTTGAGGGTCCCAGAGAACCTAACGGGAAAG 240

Qy 81 IleAspThrLeuThrLeuLysIleAsnGluLysSerLysGluGlnGluGluLeuLeuGln 100

Db 241 ATAGACACCCTCACCTGAACCTGGCTAGTCAGTGTCTGCTCTGCA 300

Qy 101 LysAsnGlnAsnLeuGlnGluAlaLeuGlnArgAlaAlaAsnPheserGlyProCysPro 120

Db 301 AAGAATCAGAACCTCCAGAGGCCCTCAAGAGCTGCAAACTTTCAGGTC 360

Qy 121 GlnAspIlePleutrpHisLysGluAsnCystyrLeuPhiHisGlyProPheGlyIlePhe 140

Db 361 CAGACTGGCTGGGATAAACATTGTTACCTCTCTATGGGCCTTGGCTGGAA 420

Qy 141 LysAsnArgGlnThrCysGlnSerIleLeuGlnLeuLeuGlnIleAsnGlyAlaAsp 160

Db 421 AAAACCGCAGACCTGGCAATCTGGCCAGTACTACAAATTATGGTGGAGAT 480

Qy 161 AspLeuThrPheIleLeuGlnAlaIleSerIstIstThrSerProPheIleTrpIleGlyLeu 180

Db 481 GATCTGCAATTCTCATCACAACCAATTCCCATACCCCTCCCATCTGGATTGGATTG 540

Qy 181 HisArgLysLysProGlyGlnProTrpLeutrpGluasnGlyIleCysGln 200

Db 541 CATCGGAGAAGCTGGCAACCATGGCTATGGAGATGGAACCTCTGAATTCAA 600

Qy 201 PhePheIysThrArgGlyValserLeuGlnLeuIleThrSerSerAsnCysAlaTyLeu 220

Db 661 CAAGACCGAGCTGTGCTGAAAATCTGCAATTCTAACATGTCAGAACATGTGCAACTT 660

Qy 241 LysThrAsnHisIleGlnIle 247

Db 721 AGACAAATCATTTGCAATT 741

Qy 221 GlnAspGlyAlaValPheAlaGluAsnCysIleLeuLeaAlaPheSerIleCysGlnLys 240

Db 661 CAAGACCGAGCTGTGCTGAAAATCTGCAATTCTAACATGTCAGAACATGTGCAACTT 720

Qy 45 LysSerIysGluGlnGluGluLeuLeuGlnAsnLeuGlnGluAlaLeuGln 64

Db 481 AAATCCAAGAGCGAGGAGCTCTGCAATGTTGAGCTCCAAAGGAGCCCTGCGAG 540

Qy 65 ArgAlaAlaLysSerSerGluUserGinArgGluLeuLysGlyIleAspThrLeu 84

Db 541 AGAGCTGCAAACTCTCAGGGAGTCCAGAGAACCTCAGGGAAAGTAGACRACCCCTC 600

Qy 85 ThreIleLysIeuArgGluLysSerLysGluGluLeuGlnLysAsnGlnAsn 104

Db 601 ACCTTGAAAGCTGAAGGAGAAATCCAAAGGAGAACCTACAGAGAAATCAGAAC 660

RESULT 2  
US-09-898-554-19  
Sequence 19, Application US/09898554  
Publication No. US003006867A1

GENERAL INFORMATION:

APPLICANT: TALL, ALAN R

APPLICANT: WELCH, CARRIE L

APPLICANT: LIANG, CHIEN-PING

OTHER INFORMATION: Isoform 7  
US-09-898-554-13

; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHS01) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 (ATHS02)

; FILE REFERENCE: 0575/64077

; CURRENT APPLICATION: US/09/898-554

; CURRENT FILING DATE: 2001-07-02

; NUMBER OF SEQ ID NOS: 40

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 19

; LENGTH: 1092

; TYPE: DNA

; ORGANISM: Murinae gen. sp.

; FEATURE: CDS

; NAME/KEY: CDS

; LOCATION: (1) (1092)

; OTHER INFORMATION:

; NAME/KEY: mibc Feature

; OTHER INFORMATION: Isoform 1

; US-09-898-554-19

; Alignment Scores:

; Pred. No.: 3 59e-139

; Score: 124.00

; Percent Similarity: 67.9%

; Best Local Similarity: 67.4%

; Query Match: 94.0%

; DB: 11

; Gaps: 1

; US-09-898-554-14 (1-247) x US-09-898-554-19 (1-1092)

; Qy 1 MetThrPheAspAspIysProAlaAsnAspGluProAspGlnLysSerCysGly 20

; Db 1 ATGACTTTGATGACAGAGATGAACCTGGATGAGAGCTGTGATCAAGTCATGGC 60

; Qy 21 LysLysProLysGluGluUserClnArgGluleuLysGlyLysIleaspThrIleThrArg 40

; Db 61 AAGAACCTAAAGGGTCCCAGAGAACCTAACACCATCACCGGAAAG 80

; US-09-898-554-14 (1-247) x US-09-898-554-19 (1-1092)

; Qy 21 LysAspAspIysMethylsProAlaAspGluProAspGlnLysSerCysGly 245

; Db 1 ATGACTTTGATGACAGATGAAAGCTGTGAAATGAGCCTGATGAGCTATGTG 60

; Qy 21 LysAspProLysGlyLysSerCysGly 24

; Db 61 AAGGAGCTAAAGGTCTGATTCGATTCGTTCCCTGCTGCTATGCTATG 120

; Qy 24 -----

; Db 121 CTGGTCATCTCCTGCTGGTGTGTCAGTGACCCATTACTGAGTCACAACTTACCC 180

; Qy 24 -----

; Db 181 CAGGTATCTGACCTCTAAACAAATACCAAGGCAACCTTACTGAGCAGATCGTATCTG 240

; Qy 24 -----

; Db 241 GAAGGGCAGATGTTAGCCCAGCAAGGAGAAATCCTCACGGAACTTCAGGAATCAAAGAGCAGGG 300

; Qy 24 -----

; Db 301 CTGAAAGGAAAGATGAGACACCCCTGACCCGAAAGGCTGAACTCAGGAGCTG 360

; Qy 24 -----

; Db 361 GAGCTTCTACAGAGAAATCAGAACTCAGAACCTCCAGAAAGCCTGCAAACCTCTCTCA 420

; Qy 25 GluGluSerGlnArgGluLysGlyIleLeuGluGluLeuGlnAsnLeuGlnAsn 44

; Db 421 GAGGAGTCCTGAAAGGAAACTCAAGGAAAGATAACCCATCACGGAGCTGAGCAG 480

; Qy 45 LysSerIysGluGlnGluGluLeuLeuGlnAsnLeuGlnGluAlaLeuGln 64

; Db 481 AAATCCAAGAGCGAGGAGCTCTGCAATGTTGAGCTGAACTCCAAAGGAGCCCTGCGAG 540

; Qy 65 ArgAlaAlaLysSerSerGluUserGinArgGluLeuLysGlyIleAspThrLeu 84

; Db 541 AGAGCTGCAAACTCTCAGGGAGTCCAGAGAACCTCAGGGAAAGTAGACRACCCCTC 600

RESULTS

US-09-898-554-19

Sequence 19, Application US/09898554

GENERAL INFORMATION:

APPLICANT: TALL, ALAN R

APPLICANT: WELCH, CARRIE L

APPLICANT: LIANG, CHIEN-PING

Qy	105	LengInGluAlaLeuGlnDargAlaAlaAsnPheSerGlyProCysProGlnAspTrieu	124	24	-----	-----	-----	-----
Db	661	CTCCAAAGGCCCTGCCTGCAAGAGTCGAAACTTTCAAGACTGGCTC	720	Qy	24	-----	-----	-----
Qy	125	TPhisLysGluLysCysteLeuPheHisGlyProPheGlyTrpGluLysAsnArgGln	144	Db	168	CTGGTCATCCCTGCCCTGGTTGTCACTGACCTTATTGACATGCTGACCATTAAGCTGC	227	-----
Db	721	TGGCATAAAGAAAATCGTACCTCTTCATGGCCCTTACGGGGAAAAAACGGCAG	780	Qy	24	-----	-----	-----
Qy	145	ThrCysGlnSerLeuGlyLysGlnLeuLeuGlnIleAsnGlyAlaAbpAspLeuThrPhe	164	Db	228	CAGGTATCTGACCTCTAAACATACTCAAGGGAACTTACTCAGGAGTGTATCTG	287	-----
Db	781	ACCTGCAACTCTTGCGGCCAGTTACTACAATTAAATTGTCAGATGTCAGATTGACTTC	840	Qy	24	-----	-----	-----
Qy	165	IleLeuGlnAlaLysSerHisthrSerProPheTrpIleGlyLeuHisArgLysLys	184	Db	288	GAAGGGCGATGATCTAGCCAGAGGCGAGAAAAGCTTCACAGGAATCAAGAGGAA	347	-----
Db	841	ATCTTACAGCAATTCCCATACCACCTCCATTCTGATGATGATSCATCGAAGAG	900	Qy	24	-----	-----	-----
Qy	185	ProGlyGlnProTrpLeuTrpGluAsnGlyLysProLeuAsnPheGinPhePheLysThr	204	Db	348	CTGAAAGGAAGAGATAGAACCTCACCCGAGAGCTGAATGAGAAATCCAAGAGGAGG	407	-----
Db	901	CCCTGCCAACCTAGCTGCTATGGGAAATGAACTCCTTGAAATTTCATTCTTAAGACC	960	Qy	24	-----	-----	-----
Qy	205	ArgGlyValSerLeuGlnLeuTyrsSerSerAsnCysAlaTyrLeuGlnAspGlyAla	224	Db	408	GAGCTCTACAGAAAGATCAGAACCTCCAAAGAGGCTGCAAACCTCTTC	467	-----
Db	961	AGGGGCCCTTCTTACAGCTATTCAAGCAACTGTGCATACCTCAAGACGGGCT	1020	Qy	25	GLuGluSerGlnArgGluLysSerLysLeuAspThrLysLeuAspGlu	44	-----
Qy	225	ValPheAlaGluLysCysLeuLeuAlaPheSerIleCysGlnLysLysThrAspHis	244	Db	468	GAGAGTCAGAGAGAACTCAAGGAAACTGAGACATCCCCGAAACTGTCAGCAG	527	-----
Db	1021	GGTTGCTGTAAACACTGATCTTAATGATTGATGATGATGAAAGACAATCAT	1080	Qy	52	LysSerLysGluGlnGluGluLeuGlnMetIleGlnAsnLeuGlnGluAlaLeuGln	64	-----
Qy	245	LeuGlnIle	247	Db	582	AAATCCAAAGGCCAGAGGACCTCTGAGATGATTGAGACCTCCAAAGGCCCTGCAG	587	-----
Db	1081	TTGCAAATT	1089	Qy	65	ArgAlaAlaAsnSerSerGluLysSerGlnArgGluLeuLysLysIleAspThrLeu	84	-----
Db	-----	-----	-----	Db	588	AGAGCTGCCAACTCTCAGGGAGTCCAGGAGAACTCAAGGAAAGATGACCCCTC	647	-----
<b>RESULT 3</b>								
US-09-870-759-141		Qy	85	ThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuGlnGluLeuGlnLysAsn	104	-----	-----	-----
; Sequence 141, Application US/09870759		Db	648	ACCTTGAGGTGTAACGAGAAATCAGAGAGGAGGCTCTACAGAAATTCAGAAC	707	-----	-----	-----
; GENERAL INFORMATION:		Qy	105	LeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrieu	124	-----	-----	-----
; APPLICANT: TEFMAN, David S		Db	708	CTCACAAGGCCCTGCRAAGGGCTGAAACTTTCAGGTTCTCACAGACCTGCCTC	767	-----	-----	-----
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE		Qy	125	TrpHisLysGluAsnCysTrpLeuPheHisGlyLysProGlyLysTrpGluLysAsnArgGln	144	-----	-----	-----
; FILE REFERENCE: 870759		Db	768	TGGCATAAAGAAACTGTACCTCTCCATGGGCCCTTAGCTGGAAAAAAACCGCGAG	827	-----	-----	-----
; CURRENT APPLICATION NUMBER: US/09-870-759		Qy	145	ThrCysGlnSerLeuGlyGlyGlnIleLeuGlnLeuAspLeuThrPhe	164	-----	-----	-----
; CURRENT FILING DATE: 2002-01-14		Db	828	ACCTGCCAATCTGGTGGCAGGTACTGAAATTGTCGATGATGTTGACATT	887	-----	-----	-----
; PRIOR APPLICATION NUMBER: US 60/208,128		Qy	165	IleLeuGlnAlaIleSerHisThrSerProPheTrpIleGlyLeuHisArgLysLys	184	-----	-----	-----
; PRIOR FILING DATE: 2000-05-30		Db	888	ATCTTAAAGAACTTCCATACCTCCCCTGATGCTGGATGCTGGATGCTGG	947	-----	-----	-----
; NUMBER OF SEQ ID NOS: 166		Qy	185	ProGlyGlnProPheLeuGlyLysGlyLysLeuAspLeuAspLeuAspLeuAsp	204	-----	-----	-----
; SEQ ID NO: 141		Db	948	CCTGGCCAAACCATGGCTATGGGAATGGAAACTCCCTGAAATTCAATTCCTTAAGACC	1007	-----	-----	-----
; LENGTH: 3763		Qy	205	ArgGlyValSerLeuGlnLeuTyrosSerSerAsnCysAlaTyrIleGlnAspGlyAla	224	-----	-----	-----
; TYPE: DNA		Db	1008	AGGGGCTCTCTTACAGCTATTCATGGCAACTGTGCATACCTTCAGACGGAGCT	1067	-----	-----	-----
; ORGANISM: Mus musculus		Qy	225	ValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsnHis	244	-----	-----	-----
; FEATURE:		Db	1068	TRGTTGCTGAAACTCTCAATTGCTGAACTGATACTGCAAGTCAAGAACTTAATCAT	1127	-----	-----	-----
; LOCATION: CDS		Qy	245	LeuGlnIle	247	-----	-----	-----
; OTHER INFORMATION:		Db	1128	TGCAAAATT	1136	-----	-----	-----
US-09-898-554-14 (1-247) x US-09-870-759-141 (1-3761)		Qy	RESULT 4	-----	-----	-----	-----	-----
Qy	1	MethPheAspAspLysMetLysProAlaAspGluProAspGlnLysSerCysGly	20	US-09-751-708A-141	-----	-----	-----	-----
Db	48	ATGACTTGTGATGACAATGAGCCCTGCAAGTCAAGGCTGATCAGAACTGTGGC	107	; Sequence 141, Application US/09751708A	-----	-----	-----	-----
Qy	21	LysLysProLys	-----	; Publication No. US20030157113A1	-----	-----	-----	-----
Db	108	AAGAAGCTAAAGGCTCTGCTTCCTCCCCATGGTGTGCTGTCATGACT	167	; Publication	-----	-----	-----	-----

GENERAL INFORMATION:

APPLICANT: Terman, David S

INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE

FILE REFERENCE: 751708

CURRENT APPLICATION NUMBER: US/09/751,708A

PRIOR APPLICATION NUMBER: US 60/10-15

PRIOR FILING DATE: 2002-10-15

NUMBER OF SEQ ID NOS: 166

SOFTWARE: Patentin version 3.1

SEQ ID NO: 141

LENGTH: 3763

TYPE: DNA

ORGANISM: Mus musculus

FEATURE:

NAME/KEY: CDS

LOCATION: (48) . (1139)

OTHER INFORMATION:

US-09-751-708A-141

Alignment Scores:

Pred. No.:	2.17e-138	Length:	3763
Score:	1241.00	Matches:	245
Percent Similarity:	67.49%	Conservative:	0
Best Local Similarity:	67.49%	Mismatches:	2
Query Match:	94.09%	Indels:	116
DB:	13	Gaps:	1

US-09-898-554-14 (1-247) × US-09-751-708A-141 (1-3763)

QY 1 MetThrPheAspLysMethyleProAlaAsnAspGluProAspGlnLysSerCysGly 20  
48 ATGACTTTGTGACAGATGAAGCTTGTGCTGTCATGGCTGATGAGTCATGTGCGC 107

Db 21 LysLysProLys-----24

QY 108 AAGAACCTAAAGGTCTGCATTGGCTGCATTCCTCCATGGTGTGCTGATGACT 167

Db 168 CTGGTCATCCCTGCTGGTGTGCTAGTGACCTTGTGACACAATTACCGC 227

QY 24 -----24

Db 228 CAGGTATCTGACCTCTTAAACAATACCAAGCGAACCTTACTCAGGGATCTCTG 287

QY 24 -----24

Db 288 GAAGGGCAGATGTAGCCCAGAGGCCAAAACGCTTCACAGGAATCAAAGAGGA 347

QY 24 -----24

Db 348 CTGAAAGAAAGATAGAACCCCTCACCCAGAGCTGAATGAAATCAAAGAGGAG 407

QY 24 -----24

Db 408 GAGCTCTACAGAAAGAACTGAGAACTCCAAAGGCCCTGCAAGAGCTGAAACTCTCA 467

QY 25 GluGlusergInArgGluLeuIleGlyLysIleAspThrIleThrArgLysIleAspGlu 44

Db 468 GAGGACTCCAGAGAACTCAAGGAAAGATAAGACCCATCACCGGAAAGGCTGGACGAG 527

QY 45 LysSerLysGluGluGluLeuLeuGluMetIleGluAsnLeuGluAlaLeuGln 64

Db 528 AAATCAAAGAGCAGGGACCTTCAGATGAGCTCAAGAACCTCAAGAGGAGCTGGAG 587

QY 65 ArgAlaAlaAsnSerSerGluSerGluSerGlnArgGluLeuIleAspThrIle 84

Db 588 AGAGCTCAAACCTCTCAAGAGTCAGAGTCAGAGAACTCAAGGGAAAGATAAGACCCCTC 647

QY 85 ThrLeuIysLeuAsnGluLysSerLysGluGluLeuLeuGluLeuLeuGluLeu 104

Db 648 ACCTTGAAAGCTGAAACGAAATCCAAGAACGAGGAGCTTCACAGAAATCAAGAAC 707

QY 105 LeuGluGluAlaIleGlnGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpIleu 124

Db 708 CTCAGAGGCCCTGCAAACTTTCAGTCCTTGCCACAAGACTGGCTC 767

QY 125 TriPheIysGluLysCysTrpLeuPheHisGlyProPheGlyTrpGluLysAsnArgGln 144

Db 768 TGGATAGAAACACTGTTACCTCTCATGGCCCTTAGCTGGAAAAAAACCGGAG 827

QY 145 ThrcyGlnSerIleGlyGlyGlnLeuLeuGlnIleAsnGlyAlaAspAspLeuThrPhe 164

Db 828 ACCTGCCAACTCTGGTGGCCAGTTACTACAAATAATGGTCCAGTGATGACATC 887

QY 165 IleLeuGlnAlaIleSerProPhePheIleGlyLeuHisArgLysLys 184

Db 888 ATCTTACAGCAATTCCTCCATACACCTCCCGTCCTGGATGATGGATGCTGAC 947

QY 185 ProClyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGlnPhePheLysThr 204

Db 948 CCTGGCCAAACATGGPATGGGAATGAACTCCRTGAATTTCATTCTTAAGACC 1007

QY 205 ArgGlyValSerIleGlnIleTrpGluAsnGlyThrProLeuAsnPheGlnPhePheLysThr 224

Db 1008 AGGGCGGTTCTTACGCTATTCATCAGGCAACTGTGCTATCTCAAGGGAGCT 1067

QY 225 ValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysSerThrAsnHis 244

Db 1068 GTGTCGTCGAAACTGATCTATGCAATGCTATGCAATGCAAACTGCA 1127

QY 245 LeuGlnIle 247

Db 1128 TTGGAAATT 1136

RESULT 5

US-09-898-554-12

; Sequence 12, Application US/09898554

; Publication No. US20030068673A1

; GENERAL INFORMATION:

; APPLICANT: TALL, ALAN R.

; APPLICANT: WELCH, CARRIE L.

; APPLICANT: LIANG, CHIEN-PING

; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND OTHER

; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)

; FILE REFERENCE: 0575/64077

; CURRENT APPLICATION NUMBER: US/09/898-554

; CURRENT FILING DATE: 2001-07-02

; NUMBER OF SEQ ID NOS: 40

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 12

; TYPE: DNA

; ORGANISM: Murinae gen. sp.

; FEATURE:

; NAME/KEY: misc feature

; OTHER INFORMATION: M-Isoform 1

US-09-898-554-12

Alignment Scores:

Pred. No.:	1.44e-135	Length:	1192
Score:	1211.50	Matches:	245
Percent Similarity:	61.71%	Conservative:	0
Best Local Similarity:	61.71%	Mismatches:	2
Query Match:	91.85%	Indels:	150
DB:	11	Gaps:	1

US-09-898-554-14 (1-247) × US-09-898-554-12 (1-1192)

QY 1 MetThrPheAspLysMethyleProAlaAsnAspGluProAspGlnLysSerCysGly 20

Db 1 ATGACTTTGATCACAGATGAGCTGGAAATGAGCTGATGAGCTGATGAACTGATGCGC 60

QY 21 LysLysPro-Lys-----24



Db 541 AGAGCTGAAACTCTTAGAGGAGTCCAGAGAGAACTCACGGAAAAGATAAACCTCTC 600  
 Qy 85 ThreLeuLysLeuAsnGluLysSerIleGluGlnGluLeuGlnLysLeuAsnGlnAsn 104  
 Db 601 ACCRTGAACTGAACTGAAATCCAAAGAGCAAGGAGCTTCAGAAATGAAAC 660  
 Qy 105 LeuGlnGluLalaLeuGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGln 124  
 Db 661 CTCCGAAAGGCGCTGAAAGGAGCTGAAACTTCAGCTGAACTGACTGCCTC 720  
 Qy 125 TrpHisLysGluAsnCysTrpIlePheHisGlyProPheGlyTrpGluLysAspArgGln 144  
 Db 721 TGGCATAAAGAAACTTTAACCTCTCATGGCCCTTAAGCTGGAAAAAACGGCAG 780  
 Qy 145 ThrCysGlnSerLeuGlyGlyGlnLeuLeuGlnIleSerGlyAlaAspLeuThrPhe 164  
 Db 781 ACCTGCCAATCTTGGGTGGCCAACTGACTGAAATTATGTCAGATCTGACATTC 840  
 Qy 165 IleLeuGlnAlaIleSerGlnSerIleThrThrSerProPheTrpIleGlyLeuIleGlyLys 184  
 Db 841 ATCTTACGAACTTCCCAATCCATACCACCTCCCCTGGATGGATGGATGGAG 900  
 Qy 185 ProGlyGlnProTrpIleTrpGluAsnGlyThrProLeuAsnPheGlnIlePheThr 204  
 Db 901 CCTGGCAACATGGCATGGAGAACTCCCTGAATTTCATTTCAATTAGACC 960  
 Qy 205 ArgGlyValSerLeuGlnLeu-----TySerSerSerAsnCysAlaIleArgLeu 220  
 Db 961 ACGGGCTTCTTACGGCTACTCCCTTGAAATTCT-----TTA 1005  
 Qy 221 GlnAspGlyAla---ValPheAlaGluAsnCysIleLeuIleAlaPheSerIleGlyGln 239  
 Db 1006 AGACCCAGGGGCTTCTTCTTAAAGCTAAACGTCATCTTAATGCAATGTCAG 1065  
 Qy 240 LysLysThrAsnHisLeuGlnIle 247  
 Db 1066 AAAAGACAAATCATTCATTCGCAATT 1089

## RESULT 7

US-09-898-554-15

Sequence 15, Application US/09898554

Publication No. US20030068673A1

GENERAL INFORMATION:

APPLICANT: TALL, ALAN R

APPLICANT: WELCH, CARRIE L

APPLICANT: LIANG, CHIEN-PING

TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHEROS

FILE REFERENCE: 0575/64077

CURRENT FILING DATE: 2001-07-02

NUMBER OF SEQ ID NOS: 40

SOFTWARE: PatentIn version 3.1

SEQ ID NO: 15

LENGTH: 606

TYPE: DNA

ORGANISM: Murinae gen. sp.

FEATURE: CDS

NAME/KEY: CDS

LOCATION: (1)-(606)

OTHER INFORMATION:

NAME/KEY: misc\_feature

OTHER INFORMATION: Isoform 8

US-09-898-554-15

Alignment Scores:

Pred. No.: 2.01e-117

Length: 606

Matched: 199

Conservative: 0

Score: 80.57%

Mismatches: 2

Best Local Similarity: 80.57%

Query Match: 80.14%

DB: 11

Alignments:

Gaps: 1

US-09-898-554-14 (1-247) x US-09-898-554-15 (1-606)

Qy 1 MetThrPhenAspPheLysSerIleGluGlnGluLeuGlnLysLeuAsnGlnAsn 104  
 Db 1 ATGACTTGTGATGCAAATGAGCCTGGAATGAGCTGATCAGAACTGATGTCGC 60  
 Qy 21 LysLysProllysGluGluSerGlnArgGluLeuLysGlyLysIleAspThrIleThrArg 40  
 Db 61 AGAGGCCCTAA-----72  
 Qy 41 LysLysAspGluLysSerLysGluGlnGluGluLeuLeuGlnMetIleGlnAsnLeuGln 60  
 Db 72 -----72  
 Qy 61 GluIleLeuGlnArgGlnAlaAsnSerGluGluSerGlnArgGluLeuLysGlyLys 80  
 Db 73 -----GAGGAGTCCCAGAGAACTCAAGGGAAAG 102  
 Qy 81 IleAspThrLeuIleLeuLysLeuAsnGluLysSerLysGluGluLeuLeuGln 100  
 Db 103 ATGACACCTCTACCTTAAGCTAACAGAGATCCAAAGAGCCTGCTTCAGTCAG 162  
 Qy 104 LysAsnGinAsnLeuGlnGluLalaLysGlnIleAsnGluPheSerGlyProCysPro 120  
 Db 163 AGATCACAACTCCAAAGAGCTGAAAGCTGAAACTTTCAGGTCCTGTGTCGA 222  
 Qy 121 GluAspartPheIleTrpIleGlyGluAsnGluAsnCysteIleLeuIleAspGlyIleGly 140  
 Db 223 CAACACTGCCTCTGGCAPTAAGAAACTGTCTCCATGGCCCTTTAGCTGGGAA 282  
 Qy 141 LysAsnArgGlnThrCysGlnSerLeuGlyGlyGlnIleLeuGlnIleAsnGlyAlaAsp 160  
 Db 283 ADAAACCCGACGACTCTGCCTGCCTTGGTGCSCAGTCAATTAAATGTCGCAAT 342  
 Qy 161 AspLeuThrPheIleLeuIleSerIleThrThrSerProPheTrpIleGlyLeu 180  
 Db 343 GATTCGACATTCACTTCAAGCATTCAGGATTCATCCACCTCCCAATCTGGATTGGATTG 402  
 Qy 181 HisArgLysLysProGlyGlnProTrpIleTrpGluAsnGlyThrProLeuAsnPheGln 200  
 Db 403 CATCGAAAGGCTGGCCAACCTGGCTATGGCTATGGAACTCCCTTGAATTTCRA 462  
 Qy 201 PhePhelysThrArgGlyValSerIleLeuGlnLeuTerSerSerAsnCysAlaTyIleu 220  
 Db 463 TCTCTTAAAGCAGGGGCTTCTTACGCTATTCATCAGGCAACTGTGCATACCTT 522  
 Qy 221 GluAspGlyAlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLys 240  
 Db 523 CAAAGCAGGAGCTGTTGGCTGAAGACTGCATTAATGCAATGTCAGAATT 582  
 Qy 241 LysIleAspAspHisLeuGlnIle 247  
 Db 583 AAGGACAATCATTCGCAATT 603

RESULT 8

US-09-898-554-28

Sequence 28, Application US/09898554

Publication No. US20030068673A1

GENERAL INFORMATION:

APPLICANT: TALL, ALAN R

APPLICANT: WELCH, CARRIE L

APPLICANT: LIANG, CHIEN-PING

TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHEROS

FILE REFERENCE: 0575/64077

CURRENT FILING DATE: 2001-07-02

NUMBER OF SEQ ID NOS: 40

SOFTWARE: PatentIn version 3.1

SEQ ID NO: 15

LENGTH: 606

TYPE: DNA

ORGANISM: Murinae gen. sp.

Alignment Scores:

Pred. No.: 2.01e-117

Length: 606

Matched: 199

Conservative: 0

Score: 80.57%

Mismatches: 2

Best Local Similarity: 80.57%

Query Match: 80.14%

DB: 11

Alignments:

Gaps: 1

FEATURE: ; NAME: KEY: misc feature  
; OTHER INFORMATION: Isoform 6  
; US-09-898-554-28

Alignment Scores:  
Aligned: 1 MetThrPheAspAspIysMetLysProAlaLysAspGluProAspGlnLysSerCysGly 20  
Pred. No.: 2.19e-112 Length: 721  
Score: 1016.00 Matches: 199  
Db 1 ATGATTTTGTGACAGATAAAGCTGGATGAGAGCTCATGAAACTCATGGC 60

Percent Similarity: 85.02% Conservative: 11  
Best Local Similarity: 80.57% Mismatches: 25  
Query Match: 77.03% Indels: 13  
DB: 11 Gaps: 2

US-09-898-554-14 (1-247) x US-09-898-554-28 (1-721)

Qy 21 LysLysProLysGlugluSerGlnArgGluLeuLysGlyLysIleAspThrLysArg 40  
Db 61 AAGAACCTAA-----GGTCGATTGCTTCTTCC 93

Qy 41 LysLeuAspGluIysSerLysGluGlnGluGluLeuLeuGlnMetIleGlnAsnLeuGln 60  
Db 94 CCATGGTGGTCCCTCTGCTATGACTCTGGTCATCCTCTGCTGGAC 153

Qy 61 GluAlaLeuGlnArgAlaAsnSerGluGluSerGlnArgGluLeuLysGlyLys 80  
Db 154 CTTATGTAAGCTGG-----AGCAATAGGATGCCAGAGAACTCAAGGAAAG 204

Qy 81 IleAspThrLeuThrIleLysLeuAsnGluLysSerLysGluGlnGluLeuLeuGln 100  
Db 205 ATAGACACCACCTGAACCTGAACGAGAAATCCAAGCAGGAGCTCACAG 264

Qy 101 LYSAsPGLnAsnIleGluLysGluLysGluLysGluLysGluLysGluLysGlu 120  
Db 265 AAGAACCTAGAACCTCCAGAAGGCCCTGCAAAAGCTGCAAACCTTTCAGGTCCTTCCA 324

Qy 121 GlnAspThrPleuPheIleSerGlnAsnCysTyrLeuIleHeHisGlyProhePheGlu 140  
Db 325 CAAAGTTGGCTCTGGATRAGANACTGTACCTCTGGTGCAGGTACTACAATTAATGG 384

Qy 141 LYSAsPArgGlnThrGlnSerIeuGlyGlnIleuLeuGlnIleasnGlyAlaAsp 160  
Db 385 AAAAACGGCAAGCCAACTTGGTGCAGGTACTACAATTAATGG 444

Qy 161 AspIleThrPheIleGlnAlaIleSerHistThrSerProhePhePheGlyIleu 180  
Db 445 GATCTGACATTCATCTACAGCAAACTCCCATACCCGTTCTGGATTGCTTG 504

Qy 181 HisArgLysIleProGlyGlnIleProIleGlnProLeuAsnPhiGln 200  
Db 505 CATCGAAGAGCCCTGCCAACCTATGCTGAACTGAACTCTTGAAATTCAA 564

Qy 201 PhePheLysThrArgIysIleSerIeuGlnIleutyrSerSerAsnCysAlaTyLeu 220  
Db 565 TTCTTAAAGCAGGGCGTCTTACAGGTATATCATAGGAACTGTCCATACCTT 624

Qy 221 GluAspGlyAlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLys 240  
Db 625 CAAGCGGACT-GTGTTCGCTGAAACTGCATTCTAATTGCTCATATGTC 683

Qy 241 LysThrAsnHiSleGlnIle 247  
Db 684 AAGACAAATCATTTGCAAAT 704

RESULT 9  
US-09-917-800A-474  
Sequence 474, Application US/09917800A  
Patent No. US2002119462A1  
GENERAL INFORMATION:  
APPLICANT: Mendrick, Donna  
ATTORNEY OR AGENT: Mendrick, Donna

Db 452 AAGCTTGTGACCCAGAAATCAGAACCTCCAAGAGCCCTGCCAGACCTCTGAAACCGCTCA 511 LENGTH: 3750  
 ; TYPE: DNA  
 ; ORGANISM: Rattus norvegicus  
 ; FEATURE:  
 ; NAME/KEY: 5'UTR  
 ; LOCATION: (1)...(91)  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (92)...(1186)  
 ; FEATURE:  
 ; NAME/KEY: 3'UTR  
 ; LOCATION: (1187)...(3750)  
 ; US-10-220-511-14

Qy 69 -----  
 Db 512 GAGGACTCCAAGTGGAAACTGAAGAACAAATAGACATTCTCAACTGGAAGCTGATGGG 571  
 ; LENGTH: 69  
 ; FEATURE:  
 ; NAME/KEY: (1)...(69)  
 ; LOCATION:  
 ; US-10-220-511-14

Db 572 ATATCCAAAAGCAGAGGACCTCTGAGAGAATCAGAACCTCCAAGAGCCCTGCAG 631  
 ; LENGTH: 69  
 ; FEATURE:  
 ; NAME/KEY: (1)...(69)  
 ; LOCATION:  
 ; FEATURE:  
 ; NAME/KEY: (1)...(69)  
 ; LOCATION:  
 ; US-10-220-511-14

Qy 70 -----  
 -SerGluGluSerGlnDArgGlulenLysGlyLysIleAspThrIeu 84  
 ; LENGTH: 70  
 ; FEATURE:  
 ; NAME/KEY: (1)...(84)  
 ; LOCATION:  
 ; US-10-220-511-14

Db 632 AAAGCTTGAATAATTTCAGAGAGTCAGAGAACATGAGAACATGAGAACCTC 691  
 ; LENGTH: 632  
 ; FEATURE:  
 ; NAME/KEY: (1)...(691)  
 ; LOCATION:  
 ; FEATURE:  
 ; NAME/KEY: (1)...(691)  
 ; LOCATION:  
 ; US-10-220-511-14

Qy 85 ThrLeuLysLeuAsnGluLysSerLysGluGluLeuGluGluGluLysAsnGlnAsn 104  
 ; LENGTH: 85  
 ; FEATURE:  
 ; NAME/KEY: (1)...(104)  
 ; LOCATION:  
 ; FEATURE:  
 ; NAME/KEY: (1)...(104)  
 ; LOCATION:  
 ; US-09-898-554-14 (1-247) x US-10-220-511-14 (1-3750)

Db 692 AGCTGGAAGCTAAACGRGAATCTCAAAGAGCAGGGAGCTCTGAGCAGAAATAGAAAT 751  
 ; LENGTH: 692  
 ; FEATURE:  
 ; NAME/KEY: (1)...(751)  
 ; LOCATION:  
 ; FEATURE:  
 ; NAME/KEY: (1)...(751)  
 ; LOCATION:  
 ; US-10-220-511-14

Qy 105 LeuGlnDluAlaLeuGlnIalaAlaAsnPheserClyProCysProGlnAspPtpLeu 124  
 ; LENGTH: 105  
 ; FEATURE:  
 ; NAME/KEY: (1)...(124)  
 ; LOCATION:  
 ; US-10-220-511-14

Db 752 CTTCAGAAGGCTCTGAGAGAGCTGAAACTCTTAGCTGCTCTGTCAGAGACTGGTC 811  
 ; LENGTH: 752  
 ; FEATURE:  
 ; NAME/KEY: (1)...(811)  
 ; LOCATION:  
 ; US-10-220-511-14

Qy 125 TrpHisLysGluAsnCysTyrLeuPheHisGlyProPheGlyTrpGluLysAsnGlnAsn 144  
 ; LENGTH: 125  
 ; FEATURE:  
 ; NAME/KEY: (1)...(144)  
 ; LOCATION:  
 ; US-10-220-511-14

Db 812 TGGCATAAAGAAACTCTTACCTCTTCATGGCCTTAACCTGGAAAGAAGTGGAG 871  
 ; LENGTH: 812  
 ; FEATURE:  
 ; NAME/KEY: (1)...(871)  
 ; LOCATION:  
 ; US-10-220-511-14

Qy 145 ThrCysGlnSerLeuLysGlyGlnLeuLysGlnIleAsnGlyAlaAspAspLeuThrPhe 164  
 ; LENGTH: 145  
 ; FEATURE:  
 ; NAME/KEY: (1)...(164)  
 ; LOCATION:  
 ; US-10-220-511-14

Db 872 ATTGCCTATCTTTAGTGCCTAGTTACTACAATTTGACCATGATCTGACTTC 931  
 ; LENGTH: 872  
 ; FEATURE:  
 ; NAME/KEY: (1)...(931)  
 ; LOCATION:  
 ; US-10-220-511-14

Qy 165 IleLeuGlnAlaIleSerHisthrThrSerProPheIleUuIleSerGlyLysLys 184  
 ; LENGTH: 165  
 ; FEATURE:  
 ; NAME/KEY: (1)...(184)  
 ; LOCATION:  
 ; US-10-220-511-14

Db 932 GTCCTTACAGAAACTCCATTCCCATTGGATGGATGGATGGAAATAATGGAAATAAT 991  
 ; LENGTH: 932  
 ; FEATURE:  
 ; NAME/KEY: (1)...(991)  
 ; LOCATION:  
 ; US-10-220-511-14

Qy 185 ProGlyValProTrpLeuTrpGluAsnGlyLysThrProLeuAsnPheGlnPhePheLysThr 204  
 ; LENGTH: 185  
 ; FEATURE:  
 ; NAME/KEY: (1)...(204)  
 ; LOCATION:  
 ; US-10-220-511-14

Db 992 CCCAACCAACCCATGGCTATGGAGAACGGCTCCTTGACTTCAATTCTTAGGCC 1051  
 ; LENGTH: 992  
 ; FEATURE:  
 ; NAME/KEY: (1)...(1051)  
 ; LOCATION:  
 ; US-10-220-511-14

Qy 205 ArgGlyValSerIeuGlnLeuTyrlSerSerSerAsnCysAlaTyrlSerIeuGlnAspGlyAla 224  
 ; LENGTH: 205  
 ; FEATURE:  
 ; NAME/KEY: (1)...(224)  
 ; LOCATION:  
 ; US-10-220-511-14

Db 1052 AGGGCCCTTCCTTTAGAGATGACTCATGGCACCTGCTGATATGAGGAAATT 1111  
 ; LENGTH: 1052  
 ; FEATURE:  
 ; NAME/KEY: (1)...(1111)  
 ; LOCATION:  
 ; US-10-220-511-14

Qy 225 ValPheAlaGluAsnCysIleLeuIleAlaIleSerIleCysGlnLysLysThrAsnHis 244  
 ; LENGTH: 225  
 ; FEATURE:  
 ; NAME/KEY: (1)...(244)  
 ; LOCATION:  
 ; US-10-220-511-14

Db 1112 GTGTTCTGAAAACCTGCATTTAACTCGATTCTCGATATSTCAGAGGGCAATTAA 1171  
 ; LENGTH: 1112  
 ; FEATURE:  
 ; NAME/KEY: (1)...(1171)  
 ; LOCATION:  
 ; US-10-220-511-14

Qy 245 Leu 245  
 ; LENGTH: 245  
 ; FEATURE:  
 ; NAME/KEY: (1)...(245)  
 ; LOCATION:  
 ; US-10-220-511-14

Db 1172 TTG 1174  
 ; LENGTH: 1172  
 ; FEATURE:  
 ; NAME/KEY: (1)...(1174)  
 ; LOCATION:  
 ; US-10-220-511-14

RESULT 10  
 ; Sequence 14, Application US/10220511  
 ; Publication No. US20030143226A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kobayashi, Yuko  
 ; APPLICANT: Tsuji, Hiroyuki  
 ; APPLICANT: Kamada, Masafumi  
 ; APPLICANT: Sawamura, Tatsuya  
 ; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND PHARMACEUTICAL USES THEREOF  
 ; FILE REFERENCE: SHIM-017  
 ; CURRENT APPLICATION NUMBER: US/10/220,511  
 ; CURRENT FILING DATE: 2002-12-06  
 ; PRIOR APPLICATION NUMBER: JP P2000-57745  
 ; PRIOR FILING DATE: 2000-03-02  
 ; PRIOR APPLICATION NUMBER: JP P2000-333116  
 ; PRIOR FILING DATE: 2000-10-31  
 ; PRIOR APPLICATION NUMBER: PCT/JP01/01636  
 ; NUMBER OF SEQ ID NOS: 15  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; SEQ ID NO 14

Qy 69 -----  
 Db 512 GAGGAGTCCAAGTGGAAACTGAAAGGAAATAGGAAACTCTGAACTGAACTGG 631  
 ; LENGTH: 69  
 ; FEATURE:  
 ; NAME/KEY: (1)...(631)  
 ; LOCATION:  
 ; US-10-220-511-14

Qy 70 -----  
 -SerGluGluSerGlnArgGluLeuGluGluGluLysGlyLysIleAspThrIeu 84  
 ; LENGTH: 70  
 ; FEATURE:  
 ; NAME/KEY: (1)...(84)  
 ; LOCATION:  
 ; US-10-220-511-14

Db 632 AAACCTGAGAAATATTCAAGGAGTCCAGAGAACTGAAAGAACATGAACTC 691  
 ; LENGTH: 632  
 ; FEATURE:  
 ; NAME/KEY: (1)...(691)  
 ; LOCATION:  
 ; US-10-220-511-14

Qy 85 ThreLeuLysLeuAsnGluGluGluLeuLeuGluGluLysAsnGlnAsn 104  
 ; LENGTH: 85  
 ; FEATURE:  
 ; NAME/KEY: (1)...(104)  
 ; LOCATION:  
 ; US-10-220-511-14

Db 692 AGCTGGAGCTTAAAGGAAATCCAAAGCAGGGCTCTGCAGAGATCAGAT 751  
 ; LENGTH: 692  
 ; FEATURE:  
 ; NAME/KEY: (1)...(751)  
 ; LOCATION:  
 ; US-10-220-511-14

Qy 105 LeuGlnGluAlaLeuGlnArgAlaAlaAsnPheserClyProCysProGlnAspTriPhe 124  
 ; LENGTH: 105  
 ; FEATURE:  
 ; NAME/KEY: (1)...(124)  
 ; LOCATION:  
 ; US-10-220-511-14

Db 752 CTCAAGAAGCCCTGAGAGCTCAAAACTCTCAGGCTCAGAGCTGGAATG 811  
 ; LENGTH: 752  
 ; FEATURE:  
 ; NAME/KEY: (1)...(811)  
 ; LOCATION:  
 ; US-10-220-511-14

Qy 125 TrpHisLysGluAsnCysTyrLeuPheHisGlyProPheGlyTrpGluIysAsnArgGln 144  
 ; LENGTH: 125  
 ; FEATURE:  
 ; NAME/KEY: (1)...(144)  
 ; LOCATION:  
 ; US-10-220-511-14





; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHEROS  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09-898 , 554  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 27  
 ; LENGTH: 712  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; OTHER INFORMATION: Isoform 5  
 ; US-09-898-554-27

Alignment Scores:  
 Pred. No.: 1.17e-69 Length: 712 Db 608 AATTT 613  
 score: 660.50 Matches: 149 RESULT 15  
 Percent Similarity: 72.97% Conservative: 13 Sequence 10, Application US/10220511  
 Best Local Similarity: 67.12% Mismatches: 23 Publication No US20030143226A1  
 Query Match: 50.08% Indexes: 42 GENERAL INFORMATION:  
 DB: 11 Gaps: 6 APPLICANT: Kobayashi, Yuko  
 ; LENGTH: 712 APPLICANT: Tsuji, Hiroyuki  
 ; TYPE: DNA APPLICANT: Kamada, Masafumi  
 ; ORGANISM: Murinae gen. sp. APPLICANT: Sawamura, Tatsuya  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND  
 ; OTHER INFORMATION: PHARMACEUTICAL USES THEREOF FILE REFERENCE: SHIM-017  
 ; US-09-898-554-27 CURRENT APPLICATION NUMBER: US/10-220,511  
 ; LENGTH: 712 CURRENT FILING DATE: 2002-12-06  
 ; PRIORITY NUMBER: JP P2000-57745 PRIOR APPLICATION NUMBER: JP P2000-03-02  
 ; PRIORITY NUMBER: JP P2000-333116 PRIOR FILING DATE: 2000-03-10-31  
 ; PRIORITY NUMBER: PCT/JP01/01636 PRIOR APPLICATION NUMBER: PCT/JP01/01636  
 ; NUMBER OF SEQ ID NOS: 15 PRIOR FILING DATE: 2001-03-02  
 ; SOFTWARE: PatentIn Ver: 2.1 SEQ ID NO: 10  
 ; LENGTH: 1514 TYPE: DNA  
 ; ORGANISM: Oryctolagus cuniculus  
 ; FEATURE:  
 ; NAME/KEY: 5' UTR LOCATION: (1) .. (29)  
 ; FEATURE:  
 ; NAME/KEY: CDS LENGTH: 1514  
 ; LOCATION: (30) .. (866) FEATURE:  
 ; NAME/KEY: 3' UTR LENGTH: (867) .. (1514)  
 ; LOCATION: US-10-220-511-10

Qy 1 MetThrPheAspAspLysProAlaAsnAspGluProAspGlnLysserCysGly 20 Alignment Scores:  
 Db 1 ATGACTTGTAGCAAGATGAACCTGGAAATGACGACCCTATGAGAGTCATGCGCC 60 Pred. No.: 4.44e-67  
 Qy 21 LysLysPhePolysGlu- Length: 1514  
 Db 61 AAGAGCTAAAGG-TCTGCATTGCTTCTTCCCCTGGCTGTCTGAC 119 Matches: 135  
 Qy 27 SerGlnArgGluLeuLysGly- Percent Similarity: 63.50%  
 Db 61 AAGAGCTAAAGG-TCTGCATTGCTTCTTCCCCTGGCTGTCTGAC 119 Best Local Similarity: 49.27%  
 Qy 27 SerGlnArgGluLeuLysGly- Query Match: 48.75%  
 Db 120 TCTGTCATCCTCTGCTCTGCTGCTGACTGACCTATGGTACAGTGACATGAT- 178 DB: 13  
 ; LENGTH: 1514  
 Qy 40 ArgLysLeuAspGluLysSerLysGluGlnGluGluLeuLeuGlnAsnLeu 59  
 Db 179 CGTATCCTGTAAGGG- Score: 4.44e-67  
 ; LENGTH: 202  
 Qy 60 GlnGluAlaLeuGlnArgAlaAlaAsnSerGluUserGlnArgGluLeuLysGly 79  
 Db 203 -----GCCCCAGCAAGGAGAAACACTCACGGGATCAAGAGAACCTGAAGGA 256  
 Qy 80 LysIleAspThrLeuThrLeuLysLeuAsnGluLysSerLysGlnGluGlnAsnLeu 99  
 Db 257 AAGATAGACACCCTGCCAGAACGCTGAACGAC---CTCAAGAGCAGGGAG--CTA 310  
 ; LENGTH: 310  
 Qy 100 GlnLysAsnGlnAsnLeuGlnArgAlaAlaAsnPheSerGlyProCys 119  
 Db 311 CACCCC-CGCAACCTCCAAGAGCCCTGCAAGAGCTGCAAACTCTGCA 369  
 ; LENGTH: 369  
 Qy 120 ProGlnAspTriPheLeuThrHisLysGluLysCysteIleUphEHisGlyProPheGlyTriP 139  
 Db 370 CCACAAAGACTGGCTCTGGCATAAAGAAAACTGTACCTCCATGGCCCTTAGCTGG 429  
 ; LENGTH: 429  
 Qy 140 GluLysAspArgGlnThrSerGlnSerIleGlyGlnLeuLeuGlnIleAsnGlyAla 159  
 Db 410 GAAAAGAACGGCAAGCTGCCAACTTCTGGCTGGCTGTTACTACAAATATGGTCA 489  
 ; LENGTH: 489  
 Qy 160 AspAspLeuThrPheIleLeuGinAlaLeuSerHisthrSerProPheTrpIleGly 179  
 Db 490 GATGATCGACATTCTACAGCAATTCCCATACCTCCCTCTGGATGAG 549  
 ; LENGTH: 549  
 Qy 180 LeuHisAspLysAlaLysProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAspPhe 199  
 Db 550 TTGCTATGGAAAGAACCTGGCAA-CCATGGCTATGGGAAATGGACT-TCTTGTGAAATT 607  
 ; LENGTH: 607  
 Qy 200 GlnPhe 201

Qy 94 GluGlnGluGlutLeuGlnLysAsnGlnAsnLeuGlnGluAlaLeuGinArgAlaAla 113  
 Db 396 AAGCAATTGGAACTTACCATCAGTACTGATCTCGATCTCAAAGGGCTTGAGAGATGGAC 455  
 Qy 114 AsnPheSerGlyProGlnAspPTIleUTPheIlysGluAsnCysTyrLeuphe 133  
 Db 456 AACTTTCAGGTCCTCCAAAGACTGGCTCTGCATGAAAACCTGTATCTGTT 515  
 Qy 134 --HisGlyProPheGlyTrpGluLysAsnArgGlnThrCysGlnSerLeuGlyGlyGln 152  
 Db 516 TCCTCTGGATCATTTAAATTGGAAAGTAGTCAGAAATGCTTGGATGCCCG 575  
 Qy 153 LeuLeuGlnIleAsnGlyAlaAspAspLeuThrPheIleLeuGinAlaIleSerHisthr 172  
 Db 576 TTATTGAAATTAAACACACAGAACTGGCTCATCCAGCAAGGACTTCATTC 635  
 Qy 173 ThrSerProHePTripleGlyIleuHisArgLysLysProGlyGlnProPTleuTrpGlu 192  
 Db 636 ACCTTCCCATTCGGATTGGATTCGAGGAACCCGACTACTCATGGCTCTGGAA 695  
 Qy 193 AsnGlyThrProLeuAsnPheGlnPhePhedLysThrArgGlyValSerLeuGlnLeuTyr 212  
 Db 696 GACGGTTCTCTGATGCCCACTGTTCAGATCCAGGGTGCAGTTCAGGTAC 755  
 Qy 213 SerSerSerAsnCysAlaItyLeuGlnAspGlyAlaValPheAlaLysAsnCysIleLeu 232  
 Db 756 CCTTCAGGACCTGGATAATACAGAAGGAAATGTTTGCTGAGACTGATTIA 815  
 Qy 233 IleAlaPheSerIleCysGlnLysLysIleAsnHisLeuGln 246  
 Db 816 GTTGATACAGTATCTCAGAGAACATCTGTTGAGA 857

Search completed: December 19, 2003, 01:39:00  
 Job time : 327 secs